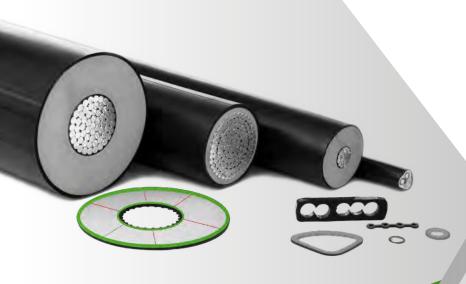
VisioCablePro VisioTubePro

General Catalogue









Foreword

Dear reader,

Thank you for showing interest in our products and our service. In this catalogue we want to introduce our cable & tube measurement engineering portfolio to you. Here you receive a complete overview of our standard product range of VisioCablePro® and VisioTubePro®.

VisioCablePro® and **VisioTubePro**® - the names stands for highest quality and functionality. All products that we deliver are produced and inspected according to the strict process guidelines within our ISO 9001:2015 certification.

The optical measuring devices of the VisioCablePro® / VisioTubePro® series create high resolution video images of cable and tube samples with a diameter up to 130 mm. The software VELOX additionally helps you to evaluate the images and by using the CAQ-system ProCable 3 you can archive the obtained results and manage your orders.

Furthermore, we offer various devices to prepare cable and tube samples like the ORC-Family for cutting samples with an outer diameter from 0.5 up to 150 mm (0.019 - 5.9 Inch) and other devices to inspect cable samples according to the standard IEC 60811.

For technical information or a detailed consultation we will gladly advise you. Please contact our headquarters under the telephone number +49 (3681) 45519-0 or send us an email to VisioCablePro.Sales@iimAG.de.

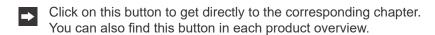


We look forward to a successful working relationship. Best regards from Suhl. Your VisioCablePro® / VisioTubePro® team.

Chapter index

Chapter

Product overview – Measurement Devices	5	→
Product overview – Software	6	→
Product overview – Devices for Sample Preparation	7	→
Product overview – Laboratory Equipment for Material Tests	8	→
Product overview – Further Devices for the Cable Industry	9	→
Product data sheets – Measurement Devices	10	→
Product data sheets – Software	18	→
Overview Database Scenarios	19	→
Product data sheets – Devices for Sample Preparation	22	→
Product data sheets – Laboratory Equipment for Material Tests	35	→
Product data sheets – Further Devices for the Cable Industry	40	→
Our distribution partners	42	→



Click on this button to get back to the chapter index / product overview.



Measurement Devices by VisioCablePro® / VisioTubePro®

Product overview

iiM cable and tube measurement engineering has especially been developed to carry out cross-sectional measurements, which specifically fulfill producers requirements to measure the geometrical features of insulating skins and cable sheaths. The complete package consists of one of the devices from the VisioCablePro® / VisioTubePro® series VCPX5, AlphaOne, VCPLab and VCPEx+ as well as the measuring software VELOX and optionally the CAQ-System ProCable 3. The new generation of the VCPX5 - is standardly equipped with the measuring software VELOX. The optical measuring devices create high resolution video images of samples with a diameter up to 130 mm (5.11"). The software VELOX with its optional database module aditionally help you to evaluate these images and archive your obtained results. By using the CAQ-software ProCable 3 you can also manage your articles and orders and furthermore analyse trends.

With our calibration scales and optional accompanying certificates up to the highest German standard DakkS and further reference to ILAC, you can easily check and calibrate your measuring devices with complete traceability.

Further measuring devices for testing cables or tubes are available for both the laboratory as well as for the production process. With our Twist Length Detector, it is initially possible to automatically measure the twist/ lay/ pitch length of a cable without cutting open the insulation for a visual measurement and thus manipulating the sample.



Model	Size (width x length x height)	Weight	Resolution	Lighting	Camera	Samples
VCPLab	600 x 360 x 1110 mm 23.6 x 14.2 x 43.7 lnch	33 kg 73 lbs	corresponds to 0.1% of the image field	LED	1-2 cameras	samples up to max. 48 mm (1.89") outer diameter
VCPX5	600 x 560 x 910 mm 23.6 x 22.0 x 35.8 lnch	54 kg 119 lbs	corresponds to 0.1% of the image field	LED	1-3 cameras	samples up to max. 130 mm (5.11") outer diameter
AlphaOne	450 x 400 x 720 mm 17.72 x 15.75 x 28.35 Inch	25 kg 55.12 lbs	corresponds to 0.1% of the image field	LED	customised, 1 camera	samples up to max. 95 mm (3.74") outer diameter
VCPEx+	750 x 430 x 320 mm 29.5 x 16.9 x 12.6 lnch	28 kg 61.7 lbs	corresponds to 0.1% of the image field	LED	customised	wire guides & extrusion nozzles up to max. 15 mm (0.6") inner diameter in various configurations
VCPEx+ Stand	400 x 460 x 630 mm 15.75 x 18.11 x 24.80 Inch	15 kg 33.1 lbs	corresponds to 0.1% of the image field	LED	one measurement area, configurable	up to 35 mm (1.37") hole diameter
Twist/ Lay/ Pitch Length Detector - TLD	1320 x 420 x 480 mm 52.0 x 16.5 x 18.1 lnch	43 kg 95 lbs	-	-	-	80 mm (3.14") measuring distance (100 mm (3.93") on request) for a 100 mm cable sample
Calibration Scales	different sizes	7 g (0.02 lbs) 23 g (0.05 lbs) 30 g (0.07 lbs)	-	-	-	for calibrating optical measuring devices



Software by VisioCablePro® / VisioTubePro®

Product overview

Our standardly included software VELOX assists measuring and evaluating cross sectional features from cables and tubes together with one of our various measuring devices. With the CAQ-system ProCable 3, test plans can be developed, orders administrated and the received test results can be archived with corresponding additional information into the database. ProCable 3 generates a list of results from the measurements according to the applied test plans. Afterwards, the test results are filed well structured and accurately. With the Software VELOX it is possible to connect external devices with the iiM CAQ-database or with other CAQ systems, e.g. CIQ, SAP, ADVARIS, new systems possible. Your own system can also be connected upon request. External devices are e.g. elongation, adherence or resistance meters, which can also be connected to the complete HUB system of VELOX



			System requiremen	ts	
Software	Functions	Measurement device	Operating system	RAM	Hard drive space
VELOX	 Standard-compliant, fully automated measurement Your guarantee for secure quality testing of geometrical attributes of cables, isolated conductors and hosepipes Excellent traceability and repeatability Reliable evaluation of obtained measuring results Intuitive operation – designed for use directly next to the extrusion line 	VCPLab, VCPX5, AlphaOne, VCPEx+	Windows 10 (64bit)	2 GB	5 GB
ProCable 3	 Test plan development Order administration Archiving of obtained test results Creation of result lists according to the test plans (product report recipes) Correct and structured deposition of test results Exceedance of tolerance limits are immediately reported and saved Possibility to connect with other devices (please inquire type) By analysing the data in graphs, trends can be detected easily 	any PC	Windows 7, Windows 8.x, Windows 10	2 GB	5 GB



Devices for Sample Preparation

Product overview

Our devices for the sample preparation and the following inspection meet the highest quality requirements. With the new ORC VC65, ORC 80 and ORC 150 it is possible to cut thin, even and parallel samples with a smooth surface. The ORC Micro is optimal for cutting very small samples. Furthermore, we offer various other preparation devices for material testing in laboratories, e.g. the Splitting Cutter for standardised slices to further process and use in the Hot Set Test or Tensile Test.



Model	Size (width x length x height)	Weight	Supply Voltage	Input Power	Blade	Lighting	Material	Field of Application
Cable Stripper 100	430 x 800 x 430 mm 16.9 x 31.5 x 18.9 lnch	54 kg 119.05 lbs	-	-	-	-	Aluminium, Stainless steel, PVC	for separating cable jackets / -insulations from the electrical conductor
Core Removal Punch CRP	170 x 360 x 450 mm 6.7 x 14.2 x 17.7 inch	15.6 kg 34.4 lbs	-	-	-	-	Iron, Stainless steel	punch to remove solid eletrical conductors
ORC 150	910 x 730 x 600 mm 35.83 x 28.74 x 23.62 lnch	100 kg 220.46 lbs	230 - 400 V 50 Hz	max. 1100 Watt	Chisel 150-1	LED	Aluminium, Stainless steel	for cutting O-rings up to 150 mm (5.91"), (special chuck jaws for larger samples up to 200 mm (7.87"))
ORC 80	250 x 380 x 260 mm 9.84 x 14.96 x 10.23 Inch	17.3 kg 38.14 lbs	100 - 240 V 50 - 60 Hz	max. 221 Watt	Stainless steel blade	LED	Aluminium, Stainless steel	for cutting O-rings up to 80 mm (3.15")
ORC VC65	330 x 340 x 305 mm 12.99 x 13.39 x 12.01 lnch	14.6 kg 32.19 lbs	100 - 240 V 50 - 60 Hz	max. 120 Watt	special grinding, 2-sided usable	LED	Stainless steel	for cutting O-rings of multiple material up to 65 mm (2.56")
ORC Micro	200 x 200 x 170 mm 7.87 x 7.87 x 6.69 lnch	3.25 kg 7.16 lbs	100 - 240 V 50 - 60 Hz	max. 60 Watt	Stainless steel blade	LED	Stainless steel	for cutting O-rings up to 3.5 mm (0.14")
Sample Picker	135 x 190 x 135 mm 5.31 x 7.48 x 5.31 lnch	1.8 kg 3.97 lbs	230 V AC	max. 230 Watt	-	-	Stainless steel, Rubber	easy positioning of very small samples
Flat Cable Cutter 75	225 x 235 x 450 mm 8.85 x 9.25 x 17.71 lnch	7.7 kg 16.97 lbs	-	-	one-side grinded special blade by iiM	-	Aluminium, Stainless steel	for cutting samples up to 75 mm (2.95") width
Splitting Cutter	380 x 460 x 300 mm 14.96 x 18.11 x 11.81 lnch	18.5 kg 39.68 lbs	-	-	Stainless steel blade	-	Aluminium, Stainless steel	on request
Splitting Cutter PE	760 x 500 x 500 mm 29.92 x 19.68 x 19.68 lnch	58 kg 127.8 lbs	100 - 240 V 50 - 60 Hz	max. 100 Watt	Stainless steel blade	-	Aluminium, Stainless steel, Plastic housing	130 mm 5.11 Inch 150 mm (5.91") on request
Toggle Press KHP / Dumb-bell tools	156 x 292 x 475 mm 5.98 x 11.49 x 18.7 lnch	10.75 kg 23.69 lbs	-	-	-	-	Aluminium, Stainless steel, PVC	for punching out dumbbell samples
Tool Box	345 x 308 x 164 mm 13.5 x 12.1 x 6.5 Inch	2.4 kg 5.3 lbs	-	-	-	-	PVC, Stainless steel	practical Tool Box with all required tools for sample preparation



Laboratory Equipment for Material Tests

Product overview

iiM AG continuously develops devices for measuring, testing and preparing cable and tube samples according to the standards. By using the Hot Set Test you can easily perform an elongation and a heat pressure test of your samples. With this Hot Set Test device, you needn't attach your samples in the oven, as with other products. You just place the complete device with the samples into the oven. In addition to the Hot Set Test for thermal testing, iiM also offers instruments for Cold Impact and Cold Bend Testing under the VisioCablePro® / VisioTubePro® brand.

Laboratory Equipment for Material Tests

With our Sample Alignment Device it is easy to adjust a sample under a microscope. By spinning two friction wheels you can adjust your sample optimally, for measuring e.g. the indentation of the heat pressure test.

Model	Size (width x length x height)	Weight	Material	Functions
Hot Set Test	Device: 200 x 170 x 315 mm 7.87 x 6.69 x 12.4 Inch Equipment: 375 x 290 x 70 mm 14.76 x 11.41 x 2.75 Inch Laser: 210 x 130 x 540 mm 8.26 x 5.11 x 21.26 Inch	Device: 2.3 kg (5.1 lbs) Equipment: 3 kg (6.6 lbs) Laser: 6.4 kg (14.1 lbs)	Aluminium, Stainless steel	■ Hot Set Test ■ Heat Pressure Test
Cold Impact Test CIT	200 x 200 x 520 mm 7.9 x 7.9 x 20.5 Inch (Technical changes reserved)	15 kg 33.1 lbs (Technical changes reserved)	Stainless steel	■ Cold Impact Test
Cold Bend Test CBT	470 x 280 x 200 mm 18.5 x 11.0 x 7.9 lnch	Device: 7.1 kg (15.7 lbs) Accessories: 14 kg (30.8 lbs)	Stainless steel	■ Cold Bend Test
Sample Alignment Device	130 x 80 x 65 mm 5.11 x 3.14 x 2.55 lnch	0.96 kg 2.1 lbs	Aluminium, Stainless steel, Brass, Rubber	Simplifies the arrangement of a cable sample for measuring under a microspcope

Further Devices for the Cable Industry

Product overview

Efficient products towards supporting sustainable production and resource conservation in the cable and wire manufacturing industry are also available from iiM under the VisioCablePro® Brand. Our automatic bobbin unwinder ABU24 makes it possible to simultaneously, gently and quickly feed up to 24 braiding spools back into the braiding process, thus reducing costs.



Model	Size (width x length x height)	Weight	Material	Functions
Automatic Bobbin Unwinder ABU24	1200 × 800 × 700 mm 47.24 x 31.5 x 27.55 Inch	Device: 47 kg (104 lbs) incl. packaging: 55 kg (121 lbs)	Aluminium, stainless steel, PVC	Gentle and automatic unwinding of up to 24 braiding spools



Measurement Devices by VisioCablePro® / VisioTubePro®

Product data sheets









VisioCablePro **VisioTubePro**

Measurement Device VCPLab

For cable samples with an outer diameter up to 48 mm (1.89")

Product No.: 401.0003.05





Technical details:

Size (width x length x height)	600 x 360 x 1110 mm 23.6 x 14.2 x 43.7 lnch
Weight	33 kg 73 lbs
Supply Voltage	100 - 240 V 50 - 60 Hz
Input Power	max. 100 Watt
Resolution	corresponds to 0.1% of the image field
Lighting	LUMIMAX® LED lighting
Camera*	1-2 cameras
Measuring range	up to max. 48 mm (1.89") outer diameter
Measuring according to cable standards	EN 50396 HD 605 ICEA S-94-649-2000 IEC 60502 -1 IEC 60811 -201; -202; -203 IEC 60840 LV112 (A Factor)

Device details:

Extremely precise measurements thanks to integrated high-resolution sensors

Demo video

- Manual focusing and exposure for 2D measurements in the laboratory
- Robust case
- Excellent seals against extraneous light
- Safe from impacts and vibrations
- Measurement results in just seconds
- Use of high performance LUMIMAX® lighting
- Quasi shadow-free transmitted light illumination
- 2 integrated camera systems possible
- Standardised individual components
- Very easy measuring procedure
- Suitable software: VELOX, CAQ-System ProCable3

Area of application:

- Camera-based system for measuring cable geometries of insulations and sheaths
- For very thin cores smaller than 1 mm (0.04") up to sheath thicknesses with an outer diameter of 48 mm (1.89")
- Sustainable cost savings through fast and efficient measurement
- Designed especially for the use in laboratories

Optional:

VCPLab inclusive All-In-One Windows PC



^{*} the most suitable configuration can only be determined with your minimum and maximum sample outer diameter

















Measurement Device VCPX5

For measuring cable and tube samples with an outer diameter up to 130 mm (5.11")

Product No.: 401.0010.21



Technical details:

Size (width x length x height) 560 x 600 x 910 mm 22 x 23.6 x 35.8 Inch Weight 54 kg 119 lbs Supply Voltage 110 - 230 V 50 - 60 Hz Input Power max. 100 Watt Resolution corresponds to 0.1% of the image field Lighting LED Camera* 1-3 cameras Measuring range up to max. 130 mm (5.11") outer diameter Measuring according to cable standards IEC 60811 -201; -202; -203 LV112 (A Factor) ICEA S-94-649		
Supply Voltage 110 - 230 V 50 - 60 Hz Input Power Resolution Corresponds to 0.1% of the image field Lighting LED Camera* 1-3 cameras Measuring range up to max. 130 mm (5.11") outer diameter Measuring according to cable standards LIGHTORIAN TO Watt	Size (width x length x height)	
Input Power max. 100 Watt Resolution corresponds to 0.1% of the image field Lighting LED Camera* 1-3 cameras Measuring range up to max. 130 mm (5.11") outer diameter Measuring according to capilo standards LEC 60811 -201; -202; -203 LV112 (A Factor)	Weight	
Resolution Corresponds to 0.1% of the image field Lighting LED Camera* 1-3 cameras Measuring range up to max. 130 mm (5.11") outer diameter Measuring according to cable standards LV112 (A Factor)	Supply Voltage	
Lighting LED Camera* 1-3 cameras Measuring range up to max. 130 mm (5.11") outer diameter Measuring according to cable standards LV112 (A Factor)	Input Power	max. 100 Watt
Camera* 1-3 cameras Up to max. 130 mm (5.11") outer diameter Measuring according to cable standards LV112 (A Factor)	Resolution	I
Measuring range up to max. 130 mm (5.11") outer diameter Measuring according to cable standards LV112 (A Factor)	Lighting	LED
Measuring range Outer diameter Measuring according to cable standards LV112 (A Factor)	Camera*	1-3 cameras
to cable standards LV112 (A Factor)	Measuring range	
	0 0	LV112 (A Factor)













Device details:

- Object size / measuring range up to 130 mm (5.11") (larger customisations are possible)
- Quick and very easy measurement
- Little training required (without a customer specified database an initial operating instruction takes only 15 min)
- Suitable software: VELOX (measuring software), ProCable 3 (CAQ system)
- Various external CAQ software are connectable (CIQ-AESA; ADVARIS; QDA-ASI-DATAMYTE; QUASAR;etc.)
- No user influence on default optical focus as well as default optimised, intelligent and homogeneous lighting
- Shock and vibration resistant due to an optimised sensor arrangement and balanced weight distribution
- Quick and very precise measurements due to the robust construction and easy operation
- Measuring software enables various operator level settings (production, laboratory, administrator, service, etc.)
- Standardised individual components lead to supply security and therefore a short delivery period
- Easy connection with external devices

- Camera-based system for measuring cable and tube geometries of insulations and sheaths (measurement according to standards)
- Measuring device especially designed for use in production as well as in laboratories
- By using different lenses and high-resolution cameras, very small and very large sample measurements are possible

^{*} the most suitable configuration can only be determined with your minimum and maximum sample outer diameter



Automatic Measuring Device AlphaOne

For measuring cable and tube samples with an outer diameter up to 95 mm (3.74")

Product No.: 401.0030.03



Technical details:

Size (width x length x height)	450 x 400 x 720 mm 17.72 x 15.75 x 28.35 lnch
Weight	25 kg 55.12 lbs
Supply Voltage	110 - 230 V 50 - 60 Hz
Input Power	max. 100 Watt
Resolution	corresponds to 0.1% of the image field
Lighting	LED
Camera*	customised 1 Camera, high resolution
Measuring range	up to max. 95 mm (3.74") outer diameter
Measuring according to cable standards	IEC 60811 -201; -202; -203 LV112 (A Factor) ICEA S-94-649



Device details:

- Specific object size depending on the production line
- Quick and very easy measurement
- Little training required
- Measuring software VELOX included
- Compatible with all database software of the VCP family
- Various external CAQ software are connectable
- Low operator influence due to fixed focusing as well as preset illumination
- Robust design and simple, user-friendly operation
- Shock and vibration resistant due to an optimised sensor arrangement and balanced weight distribution
- Measuring software enables various operator level settings (production, laboratory, administrator, service, etc.)
- Standardised individual components lead to supply security and therefore a short delivery period
- Easy connection with external devices

Area of application:

- Highly precise measuring device for cross section measurements of cables and tubes
- Measuring device especially designed for the use at a production line

Optional:

AlphaOne inclusive All-In-One Windows PC



^{*} the most suitable configuration can only be determined with your minimum and maximum sample outer diameter

















Measuring Device for Extrusion Tools VCPEx+

Stand-alone system for high-precision and fast measurement of wire guides and extrusion nozzles

Product No.: 401.0007.04



Technical details:

Size (width x length x height) (Technical changes reserved)	750 x 430 x 320 mm 29.5 x 16.9 x 12.6 lnch
Weight (Technical changes reserved)	28 kg 61.7 lbs
Supply Voltage	100 - 240 V 50 - 60 Hz
Input Power	max. 100 Watt
Resolution	corresponds to 0.1% of the image field
Lighting	telecentric LED lighting
Camera	up to 2 measuring fields depending on the diameter range
Measuring range	up to 15 mm (0.6") in various configurations





Device details:

- Fast, reliable and highly accurate measuring process
- Telecentric cameras and lighting guarantee exact measurement results
- Up to 2 cameras and measuring fields in one compact device
- Simple handling and positioning of the extrusion tools (including conical tools / conical wire guides)
- Focus indicator for easy focus adjustment
- No extraneous light influences thanks to measuring within a closed housing
- VeloxExtrusion measurement software included
- Robust and compact design, easy to handle

Possible measurement results:

Maximum, minimum and average inner diameter
 (In this way, deformations or wear and tear of the tools can be detected - in order to avoid undefined over extrusion or undercutting of the wall thickness.)

Area of application & benefits:

- Camera-based system for measuring wire quides and extrusion tools mean that only independently tested tools without user influence are used within the production process
- Specially designed for use in production, the tool handout and the laboratory
- Reliable, fast and accurate quality control
- Traceability of results for convenient presentation of the life cycle of your tools
- Time and cost savings for your measurement













Measuring Device for Extrusion Tools VCPEx+ Stand

Stand-alone system for high-precision and fast measurement large wire guides and extrusion nozzles

Product No.: 401.0007.07



Technical details:

Size (width x length x height) (Technical changes reserved)	400 x 460 x 630 mm 15.75 x 18.11 x 24.80 lnch
Weight (Technical changes reserved)	15 kg 33.1 lbs
Supply Voltage	100 - 240 V 50 - 60 Hz
Input Power	max. 100 Watt
Resolution	corresponds to 0.1% of the image field
Lighting	homogeneous lighting by LUMIMAX®
Camera	one measurement area, configurable
Measuring range	up to 35 mm (1.37") hole diameter











Ensure your product quality right from the beginning even before the production process.

Device details:

- Measuring device for large extrusion tools up to 35 mm (1.37") hole diameter
- Automated measurement process
- Focus indicator allows you to easily adjust the focus
- Homogeneous transmitted light illumination made by iiM AG for the ideal presentation of the area to measured
- The influence of the user is reduced to a minimum
- Robust, ergonomic design
- Ideal addition to the 2-camera system VCPEx+

Possible measurement results:

Maximum, minimum and average inner diameter
 (In this way, deformations or wear and tear of the tools can be detected - in order to avoid undefined over extrusion or undercutting of the wall thickness.)

Area of application & benefits:

- Replaces inaccurate measurement methods (calipers, tactile measurements, etc.)
 with an automated measurement method
- The VCPEx+ Stand is a camera-based system for measuring large wire guides and dies
- Specially designed for use in production, the tool handout and the laboratory
- Reliable, fast and accurate quality control
- Traceability of results for convenient presentation of the life cycle of your tools
- Time and cost savings for your measurement

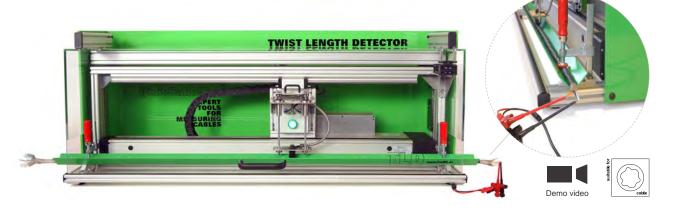
EXPERT TOOLS FOR MEASURING CABLES & TUBES

Twist/Lay/Pitch Length Detector - TLD

For measuring the twist/lay/pitch length of sheathed cables









Size (width x length x height)	1320 x 420 x 480 mm 52.0 x 16.5 x 18.1 lnch
Weight	43 kg 95 lbs
Supply Voltage	100 - 240 V, 50 - 60 Hz
Input Power	max. 100 Watt
Material	Aluminium, Stainless Steel, PVC
Measuring accuracy	1 mm 0.04"
Measuring according to standards	LV212; LV122
Measurable twist lengths	min. 10 mm 0.39" / max. 800 mm 31.5" (with the standard measuring distance) ATTENTION: Customizations possible on request (Please send some samples)
Measuring distance	800 mm 31.5" ATTENTION: Customizations possible on request
Measuring distance Sample outer diameter	!

Device details:

- Measurements according to the standards LV212 und LV122
- The twist length of the samples is measured without removing the sheath
 - \rightarrow this ensures a precise measurement
- Traditional methods manipulate the sample (cable stripping / unwinding of conductors)
 - ightarrow a precise measurement is not possible anymore
- Via a PC connection, the measuring results can directly be exported
- Fully automatic: By clicking one button, the measuring sensor automatically moves along the sample

Results:

- Result file: It is possible saving the following result data into a text file (export function):
 - Amount of twists
 - Measured distance (distance from the first twist to the last overlapping twist)
 - Driving distance of the sensor
 - Minimum / Maximum twist length
 - Average of the detected twist lengths

Calibration:

The calibration is performed with an especially designed master-sample (calibration piece)













Calibration Scale with optional Calibration Certificate

For calibrating optical measuring devices (e.g. VCPX5)



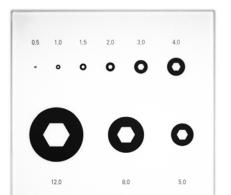












Calibration scale 0.5 - 12 mm (0.02 to 0.5") polygon

- 9 different circles from 0.5 to 12.0 mm outer diameter (0.02 to 0.5")
- Distance measurements are possible with the polygonal inner shape
- Available with DAkkS- or factory calibration certificate

Technical Details:

Size (width x length x height)	45 x 45 x 2 mm 1.77 x 1.77 x 0.07 Inch
Weight	7 g 0.02 lbs
Material	Glass

Calibration scale 20 / 60 mm (0.8 / 2.4") polygon

- 2 different circles:(20 / 60 mm (0.8 / 2.4") outer diameter)
- Distance measurements are possible with the polygonal inner shape
- Available with DAkkS- or factory calibration certificate

Technical Details:

Size (width x length x height)	80 x 80 x 2 mm 3.15 x 3.15 x 0.07 Inch
Weight	23 g 0.05 lbs
Material	Glass

Calibration rings 65 / 95 mm (2.5 / 3.7")

50

- 2 different circles (65 / 95 mm (2.5 / 3.7") outer diameter)
- Available with DAkkS- or factory calibration certificate

Technical Details:

60

Size (width x length x height)	65 x 65 x 1 mm 2.5 x 2.5 x 0.04 lnch 95 x 95 x 1 mm 3.7 x 3.7 x 0.04 lnch
Weight	30 g 0.07 lbs





Calibration case - practical storage of calibration scales







Software by VisioCablePro® / VisioTubePro®

Product data sheets

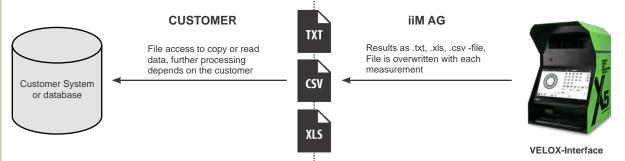




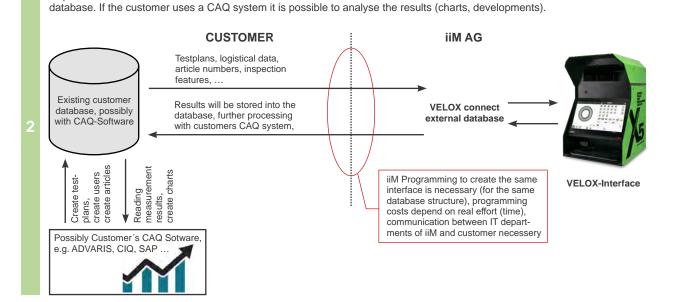
VisioCablePro® VisioTubePro

Overview Database Scenarios

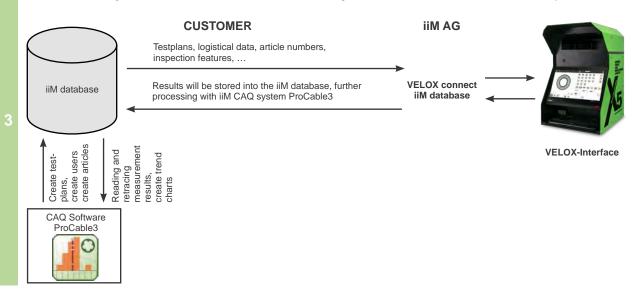
Scenario 1: The measurement device stands alone without database connection, it is possible to store the measurement results into an export file, which is overwritten in each measurement. The customer has the option to read the data for further own processes.



Scenario 2: The customer uses an existing database and wants to connect the VCPX5 to send testplans, logistical data, inspection features to select the article direct on the VCPX5. After the measurement, the results are sent back to the customers



Scenario 3: iiM provides a complete and comfortable solution with the iiM database, iiM CAQ system ProCable3. Further measurement devices, e.g. resistance measurement devices, can be integrated and the results can be stored and analysed.



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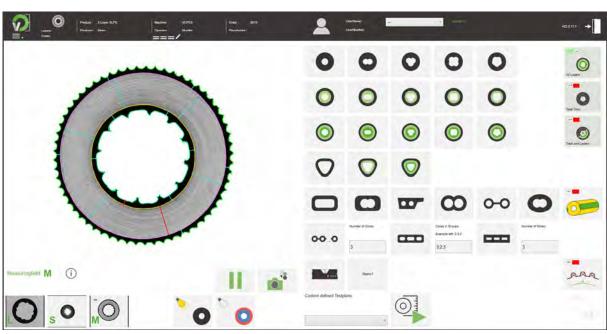
Software VELOX

Highly complex standard-compliant image processing – simply with one click

Product No.: 403.0001.30











Measurement device	VCPLab VCPX5, AlphaOne, VCPEx+	
Operating system	Windows 10 (64bit)	
RAM space	2 GB	
Hard disk space	5 GB	

Important cable standards for the measurement:

- EN 50396
- IEC 60811 (-201; -202; -203)
- LV112 (A Factor)
- ICEA S-94-649



Details:

- Standard-compliant, fully automated measurement
- Your guarantee for secure quality testing of geometrical attributes of cables, isolated conductors and tubes
- Excellent traceability and repeatability
- Reliable evaluation of obtained measuring results
- Intuitive operation designed for use directly next to the extrusion line
- Operation possible without training highly complex in the background but easy, safe and quick to use
- All measurements are performed with image processing algorithms of the latest generation
- Modularly expandable (database interfaces, special geometries/shapes ...)
- Clear, individually configurable and comprehensive result display
- The report design can be modified on an Excel basis









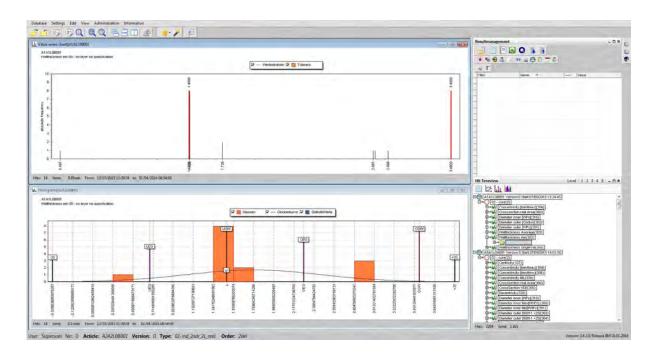


Software ProCable3

The CAQ-System customised for producer requirements

Product No.: 403.0002.01















System requirements:

Measurement device	any PC	
Operating system	Windows 7, Windows 8.x, Windows 10	
RAM space	2 GB	
Hard disk space	5 GB	

Easy handling - Highest functionality

- Test plan development
- Order administration
- Archiving of obtained test results
- Creation of result lists according to the test plans (product report recipes)
- Correct and structured filing of test results
- Exceedance of tolerance limits are immediately reported and saved
- Possibility to connect with external measuring devices (please inquire type)
- Connection with an SQL or MS Access[©] database possible
- By analysing the data in graphs, trends can be detected easily
 (e.g. growing outer diameter displays the wear of the extrusion tool)

Retraceable CAQ-System

- Achieved test results are compared with test plans and exceedances of tolerance limits are immediately reported
- Retraceability is guaranteed
- Compact CAQ-System, especially developed for cable producer requirements
- Various functions for safe administration and archiving of your test results
- Retraceability: Due to the comparison with the deposited test plans, ProCable reduces operator influences and guarantees safe measurement results
- Various filter functions enable finding any result
- Results are displayed in charts, tables and histograms
- Export to MS Excel[®] and qs-STAT possible

Devices for Sample Preparation

Product data sheets







Cable Stripper - CS100

For separating cable jackets / -insulations from the electrical conductor

Product No.: 402.0005.04



Technical Details:

430 x 800 x 430 mm 16.9 x 31.5 x 16.9 lnch
54 kg 119 lbs
Aluminium, Stainless Steel, PVC
min. 150 mm (5.91") (at 50 mm (2") Stripping)
15 - 100 mm 0.06 - 3.9 lnch
ca. 10 - max. 250 mm 0.4 - 9.8 Inch depending on material











Device details:

- Easy separation of cable jackets from the electrical conductor
- Suited for samples with a high strip force
- Also designed for larger sample outer diameters
- Suitable preparation before cutting cable samples for measuring (e.g. with the ORC-series)
- Robust, stable construction
- Easy operation

Operation:

- 1. Cut around the cable
- 2. Insert the cable into the CS100 (cut side towards the front)
- 3. Close the clamps
- 4. Turn the front wheel to remove the cable jacket



Suitable additional equipment

Modified pipe cutters

3 - 35 mm (0.1 - 1.4") OD* - Product No.: 402.0017.02 10 - 63 mm (0.4 - 2.5") OD* - Product No.: 402.0017.03 50 - 110 mm (2.0 - 4.3") OD* - Product No.: 402.0017.04

^{*} Outer diameter of the cable sample

VisioCablePro® VisioTubePro®

Core Removal Punch - CRP

Punch to remove solid electrical conductors

Product No.: 402.0018.01





Technical Details:

Size (width x length x height)	170 x 360 x 450 mm 6.7 x 14.2 x 17.7 lnch
Weight	15,6 kg 34.4 lbs
Material	Iron, Stainless steel
Equipment	Metal ring underlays; Metal pins
Equipment	, ,











Device details:

- Preparation of cable samples for further processing
- Metal ring underlays enable tilting the sample according to the conductor twist
- Applicable for cable types with solid core cross-sections
- E.g. Sample preparation for cutting with ORC family



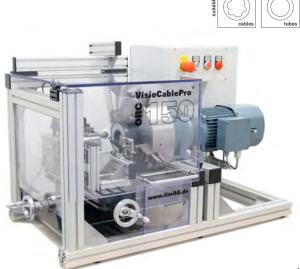


VisioCablePro VisioTubePro

O-Ring Cutter - ORC 150

Cutting device for large cable & tube samples

Product No.: 402.0007.02







Technical details:

Size (width x length x height)	910 x 730 x 600 mm 35.83 x 28.74 x 23.62 lnch
Weight	100 kg 220.4 lbs
Supply Voltage	230 - 400 V 50 Hz
Input Power	max. 1100 Watt
Blade	Chisel 150-1 Product No.:404.0004.06
Lighting	Light bulb
Ø - Sample	20 - 150 mm (0.78" - 5.9") special chuck jaws for larger samples up to 200 mm (7.87")
Length - Sample	min. 40 mm / max. 85 mm min. 1.57" to max. 3.34"
Sample preparation according to cable standards	IEC 60811







- Quick and efficient cut
- Thin, evenly and parallel cut samples with a smooth surface
- Very robust device made of aluminium and stainless steel no corrosion
- By using special chuck jaws it is even possible to cut larger samples with an outer diameter up to 200 mm (7.87")
- Light to illuminate the cutting process
- Precise and repeatable measuring results possible with the cut samples

- Cable sample preparation according to IEC 60811
- Optimal sample preparation device for measurements with offline measurement devices
- Cut samples complement the measuring devices from the VisioCablePro® / VisioTubePro® series
- Use of the O-Ring Cutter is essential for your Quality Management
- Easy use in laboratories and production halls













VisioCablePro VisioTubePro

O-Ring Cutter - ORC 80

Device for sample preparation of hard materials up to 80 mm (3.15 lnch)

Product No.: 402.0007.10



Technical details:

Size (width x length x height)	250 x 380 x 260 mm 9.84 x 14.96 x 10.23 Inch	
Weight	17.3 kg 38.14 lbs	
Supply Voltage	100 - 240 V 50 - 60 Hz	
Input Power	max. 221 Watt	
Blade	Stainless steel blade	
Lighting	LED	
Ø - Sample	8 - 80 mm 0.31 - 3.15 lnch	
Length - Sample	min. 30 mm / max. 50 mm min. 1.18 to max. 1.96 lnch	
Sample preparation according to cable standards	IEC 60811	



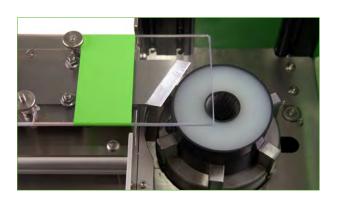




Device details:

- Quick and efficient cut
- Thin, evenly and parallel cut samples with a smooth surface
- Perfect for cutting sector shaped samples
- LED light to illuminate the cutting process

- Cable sample preparation according to IEC 60811
- Quick and efficient cut of hard materials (PE, XLPE) with an outer diameter up to max. 80 mm (3.15")
- Optimal sample preparation device for measurements with offline measurement devices
- Use of the O-Ring Cutter is essential for your Quality Management
- Compact and light device to easily use in laboratories and production halls













VisioCablePro® VisioTubePro

O-Ring Cutter - ORC VC65

Precision cutting of multiple materials

Product No.: 440.2007.000









Technical details:

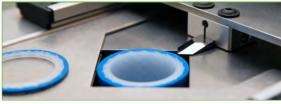
Size (width x length x height)	330 x 340 x 305 mm 12.99 x 13.39 x 12.01 lnch
Weight	14.6 kg 32.19 lbs
Supply Voltage	100 - 240 V 50 - 60 Hz
Input Power	max. 120 Watt
Blade	special grinding, 2-sided usable Product No.: 910.2007.009
Ø - Sample	1 - 65 mm 0.04 - 2.56 Inch
Length - Sample	min.30 mm / max. 70 mm min. 1.18 to max. 2.76 lnch
Sample preparation according to cable standards	IEC 60811











Device details:

- Ideal cutting results
- Improved sample quality through an exact and reproducible sample thickness
- Suitable for a wide variety of materials
- Robust and durable blade with double wear time (2-sided usable)
- Exact adjustment of the rotating speed
- The influence of the operator is minimized by the predefined blade feed
- Fine, manual dosing of the progessive feed
- Easy exchange of the wire grips possibe, with standard tooling
- Intelligent control electronics ensure an intuitive and safe operation

- Cable sample preparation according to IEC 60811
- Cutting device for samples with an outer diameter up to 65 mm (2.56")
- Optimal preparation of samples before the precise analysis on the offline measurement device
- Use of the O-Ring Cutter VC is essential for your Quality Management
- Precise and repeatable measuring results possible with conistent cut samples
- The VC65 supplements the measurement devices of the VCP series with even and consistently cut samples
- Compact and light device for laboratories and in the production











VisioCablePro VisioTubePro

O-Ring Cutter - ORC Micro

Sample cutting device for very small cable & tube samples

Product No.: 402.0007.03



0	0	0	•	
0	0	•	•	



Technical details:

Size (width x length x height)	200 x 200 x 170 mm 7.87 x 7.87 x 6.69 lnch
Weight	3.25 kg 7.16 lbs
Supply Voltage	100 - 240 V 50 - 60 Hz
Input Power	max. 60 Watt
Blade	Stainless steel blade Product No.: 404.0004.04
Lighting	LED
Ø - Sample	0.5 - 3.5 mm 0.019 - 0.14"
Length - Sample	min. 15 mm / max. 40 mm min. 0.59 to max. 1.57"
Sample preparation according to cable standards	IEC 60811













Device details:

- Easy and fast operation
- Robust, compact device out of stainless steel no corrosion
- 4 different adapters to stabilise the samples (on request more adapters of different sizes available Product No.: 402.0007.13)





Area of application:

- Cable sample preparation according to IEC 60811
- Sample cutting device for cutting very small samples up to 3.5 mm (0.14") outer diameter depending on material and wall thickness
- Optimal sample preparation device for measurements with offline measurement devices
- Use of the O-Ring Cutter is essential for your Quality Management
- Compact and light device to easily use in laboratories and production halls

Suitable additional equipment:

Sample Picker - Ideal for positioning small samples Product No.: 402.0015.01 → page 29



VisioCablePro® VisioTubePro

Sample Picker

Easy positioning of small samples

Product No.: 402.0015.01



Technical Details:

Size (width x length x height)	135 x 190 x 135 mm 5.31 x 7.48 x 5.31 lnch
Weight	1.8 kg 3.97 lbs
Supply Voltage	230 V AC
Input Power	max. 230 Watt
Material	Stainless steel, Rubber





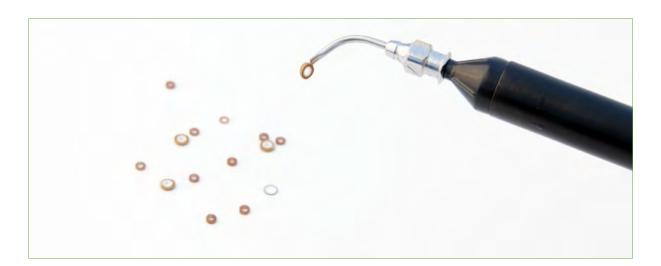






Device details:

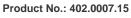
- Vacuum pump to pick up small samples
- Suitable for the measuring device VCPLab and the o ring cutter ORC Micro





Flat Cable Cutter 75 - FCC 75

Device for sample preparation of flat cables up to max. 75 x 8 mm (2.95 x 0.31") width x height







Technical Details:

Sample preparation according to standards	IEC 60811
Cable sample	width: max. 75 mm 2.95" height: 1 - max. 8 mm 0.04 - 0.31" length: min. 30 mm 1.18"
Blade	one-side grinded special blade by iiM
Weight	7.7 kg 16.97 lbs
Size (width x length x height)	225 x 235 x 450 mm 8.85 x 9.25 x 17.71 Inch











Save up to ²√₃ measuring uncertainty with well prepared samples!





Device details:

ATTENTION: Electrical conductors must be removed before cutting!

- Very robust device for quick and efficient cutting of flat cables
- Exact adjustment of the sample thickness (depending on material)
- Thin, evenly and parallel cut samples with a smooth surface (especially the very small and many cores require a very thin cut to avoid shadows)
- Precise and repeatable measuring results due to reproducible samples





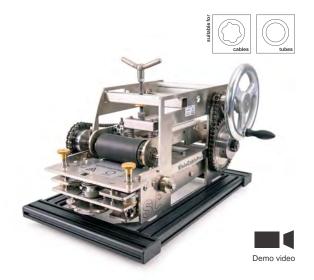
- Sample preparation according to IEC 60811
- Cutting device for flat cable samples up to a width of max. 75 mm (2.95") and a height of max. 8 mm (0.31")
- Optimal cable preparation device for measurements with offline cable measurement devices
- Use of the FCC 75 is essential for your Quality Management
- Compact and light device to easily use in laboratories and production halls

VisioCablePro® VisioTubePro®

Splitting Cutter - SC

Sample preparation for heat elongation and tensile tests conforming to standards

Product No.: 402.0006.01



Technical Details:

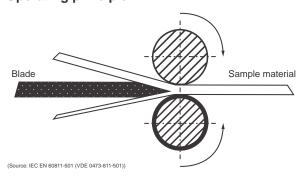
Size (width x length x height)	300 x 460 x 300 mm 11.81 x 18.11 x 11.81 lnch
Weight	18.5 kg 33.1 lbs
Material	Steel housing, hardened steel spindle, aluminium
Blade	Stainless steel blade Product No.:404.0004.02
Setting the cutting thickness	according to IEC 60811 -501, -507
Sample preparation according to cable standards	IEC 60811 -501, -507

Especially designed for soft materials. Hard materials, e.g. PE, XLPE, HDPE, or hard rubbers partially possible depending on the sample characteristics. To eliminate any doubts, please send samples to iiM AG for evaluation.

Device details:

- Device is according to the cable standard IEC 60811 -501, -507 (Heat elongation test, tensile test)
- The samples are taken from the inner side of the sheath and isolator
- All grooves and/ or conductive layers are removed
- Developed to slice samples with a **thickness between 0.8 and 2.0 mm** (0.04" 0.08")

Operating principle:



Operation:

- 1. Set the cutting thickness
- 2. Insert the sample for cutting
- 3. Cut the sample
- 4. Remove the sample















VisioCablePro® VisioTubePro®

Splitting Cutter - SC-PE

Sample preparation for heat elongation and tensile tests conforming to standards

Product No.: 402.0006.02









Technical details:

760 x 500 x 500 mm 29.92 x 19.68 x 19.68 lnch
58 kg 127.8 lbs
100 - 240 V 50 - 60 Hz
max. 100 Watt
Aluminium, Stainless Steel, Plastic housing
Hardened stainless steel
max. outer diameter 130 mm 5.11 lnch
according to IEC 60811 -501, -507 adjustable
IEC 60811 -501, -507











Device details:

- Device is according to the cable standard IEC 60811 -501, -507 (Heat elongation test, tensile test)
- Handy, electric device for material tests in laboratories
- Developed to slice samples with a **thickness between 0.8 and 2.0 mm** (0.04" 0.08")
- Especially for medium and high voltage cables or tubes from hard materials

Operation:

- 1. Insert the sample
- 2. Set the cutting thickness
- 3. Close the cover
- **4.** Cut
- 5. Open the cover
- 6. Remove the sample





Toggle Press - KHP

For punching dumb-bell test specimen for further tests (e.g. Hot Set Test)

Product No.: 402.0008.01



Technical Details:

Size (width x length x height)	156 x 292 x 475 mm 6.14 x 11.5 x 18.70 Inch
Weight	10,75 kg 23.70 lbs
Material	Aluminium, Steel cutting surface: PVC
Punch	Stainless steel blade with automatic sample ejection
Stamping force	8 kN
Sample preparation according to cable standards	IEC 60811 -501, -507

Operation:

- Prepare the sample thickness with a splitting cutter (e.g. Splitting Cutter from iiM AG)
- 2. Place the sample under the punch
- 3. Punch out the dumb-bell test specimen
- 4. Your sample is prepared for the Hot Set Test











Device details:

- Cable sample preparation according to IEC 60811 -501, -507
- Available with either 100 mm (3.93"), 75 mm (2.95") or 50 mm (2.97") dumb-bell tool
- For inspecting cable and tube sheaths in laboratories
- As a preparation for further tests
- Applicable for all cable and tube types
- Cutting surface also available individually

20 4 25 75

Suitable additional equipment

- After punching a dumb-bell test specimen, it can be tested with VisioCablePro's / VisioTubePro's Hot Set Test in an oven according to IEC 60811-507 (previously 60811-2-1) or with tensile tester etc.
 - ested a an oven



- Dumb-bell tools with automatic sample ejection:
 - 100 mm (3.93") Product No.: 405.0008.05 (ASTM D-412 Type D; UL-62-D)

75 mm (2.95") - Product No.: 405.0008.02 (IEC 60811-501 or -507; ISO 37-2; ISO 527-2-5A; IEC 260-12; BS 6746; DIN 53504 S2)

50 mm (1.96") - Product No.: 405.0008.03 (IEC 60811-501 or -507; ISO 37-3; IEC 261-12; DIN 53504 S3A)

More types available on request



Tool Box

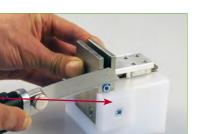
Practical Tool Box with tools for cable & tube sample preparation

Product No.: 402.0010.01



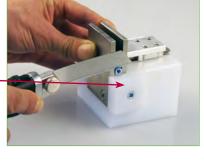
Technical details:

Size (width x length x height)	162 x 144 x 370 mm 13.5 x 12.1 x 6.5 Inch
Weight	2.4 kg 5.3 lbs
Material	PVC case
Content	Cutting block Cutting knife Special blades Cable strippers (different sizes)



Cutting block SB 18:

The cutting base can be rotated by 360° to ensure a fresh cutting surface and is exchangeable ---- always an optimal cutting base



Content		Description
	1 Cutting block SB 18 Product No.: 402.0009.01	 For cutting samples up to 18 mm (0.7") outer diameter Ø The cutting surface is rotatable and exchangeable The sloped cutting block enables a parallel incision for an optimal sample preparation
	1 Cutting knife	■ With special blades for an optimal guidance and sample cut
	10 pcs/set Special blades Product No.: 404.0005.02	 These blades are especially developed for sample preparation One-sided, double facet profile for a perfect guidance One-sided grinding, double facet profile for a perfect guidance In one-sided grinding, double facet blade
T comment	1 Cable stripper 8 - 13 mm 0.3 - 0.5"	 For stripping solid and stranded wires Including additional integrated blade for cutting cable sheaths lengthwise
	1 Cable stripper 4.8 - 7.5 mm 0.18 - 0.29"	■ Especially for round cables and strands
	1 Cable stripper 8 - 28 mm 0.3 - 1.1"	■ Especially for cables with high stripping force









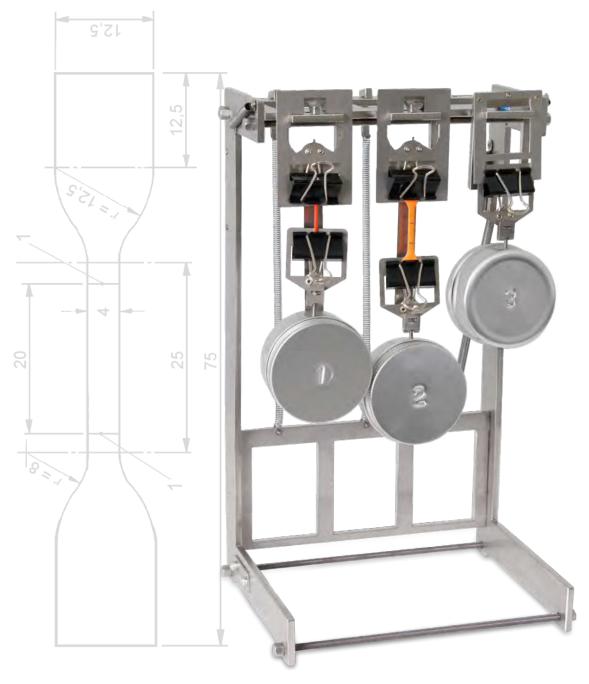




Laboratory Equipment for Material Tests

Product data sheets





VisioCablePro® VisioTubePro®

Hot Set Test

Hot Set Test & Heat Pressure Test

Product No.: 401.0009.03



Technical details:

Size (width x length x height)	Device: 200 x 170 x 315 mm 7.87 x 6.69 x 12.4 lnch Equipment: 375 x 290 x 70 mm 14.76 x 11.41 x 2.75 lnch Laser: 210 x 130 x 540 mm 8.26 x 5.11 x 21.26 lnch
Weight	Device: 2.3 kg 5.1 lbs Equipment: 3.0 kg 6.6 lbs Laser: 6.4 kg 14.1 lbs
Material	Aluminium, Stainless steel PVC case
Device and Equipment according to cable standards	IEC 60811 -507, -508













Device details:

- 2 in 1: device contains the Hot Set Test as well as the Heat Pressure Test
- Robust and compact set including the device and an equipment case
- Possibility to attach a thermometer directly near the sample
- Measurement according to the cable standards IEC 60811 -507 (Hot Set Test) and
 IEC 60811 -508 (Heat Pressure Test) regarding sample attachment and weight attachment
- Precise choice of weights due to practical containers
- Simultaneous measurement of up to 3 cable or tube samples

Optional - Hot Set Test complete

- Sample rack for heat pressure and heat elongation test Product No.: 401.0009.03
- Laser gauge Product No.: 405.0009.01
- Thermal heat oven **UN55** Product No.: 405.0009.02

Size (WxLxH): 585 x 514 x 784 mm (23 x 20.2 x 30.9")

Weight: 57 kg (125.6 lbs)

Volume: 53 I

Air exchange rate: 8-20x

Thermal heat oven UN110 - Product No.: 405.0009.06

Size (WxLxH): 745 x 584 x 864 mm (29 x 23 x 34")

Weight: 74 kg (163 lbs)

Volume: 108 I

Air exchange rate: 8 - 20x





Example

VisioCablePro® VisioTubePro®

Cold Impact Test - CIT

Device for an impact test at low temperature

Product No.: 402.0001.01



Technical details:

Operation according to cable standards	IEC 60811-506 (IEC 60811-1-4 point 8.5) VDE PV01:2008-02
Material	Stainless steel
Weight (Technical changes reserved)	15 kg 33.1 lbs
Size (width x length x height) (Technical changes reserved)	200 x 200 x 520 mm 7.9 x 7.9 x 20.5 Inch











Device details:

- Device and operation are according to the cable standard IEC 60811-506 (IEC 60811-1-4 point 8.5)
- Case set offers all required weights for the test
- Easy operation
- Very robust and solid construction
- Steel impact piece included
- Up to 3 cable or tube samples can be tested simultaneously
- Device suitable for positioning in a cold chamber Product No.: 402.0020.02

Options:

- Cold Impact Test "one sample"
- Cold Impact Test "up to 3 samples"
- Cold Impact Test "1 x photovoltaics" (VDE PV01:2008-02)
- Laboratory freezer technical specifications on request
- Cold chamber up to -55 °C (-67 °F) technical specifications on request
 - Cold chamber without raised floor Product No: 402.0020.02
 - Cold chamber including raised floor (for Cold Bend Test) Product No: 402.0020.04







Cold Bend Test - CBT

Device for Cold Bend Test at low temperature

Product No.: 402.0020.01













Technical details:

Weight	Device: 7.1 kg 15.7 lbs; Accessories: 14 kg 30.8 lbs
Material	Stainless steel
Operation according to cable standards	IEC 60811-504

Device details:

- Device and operation according to the cable standard IEC 60811 -504
- The complete set consists of various winding spindles and guides for various diameters: Winding spindles: 10, 12, 14.5, 18, 22, 27, 33.5, 41, 50 mm | 0.4, 0.5, 0.57, 0.7, 0.86, 1.06, 1.32, 1.61, 1.96 Inch outer diameter Guides: 3.2, 4, 5, 6.2, 7.7, 9.6, 12, 15 mm | 0.12, 0.15, 0.19, 0.24, 0.30, 0.38, 0.5, 0.59 Inch inner diameter
- The winding spindles and cable / tube guides interlock easily and are easily fastened
- Maneuver Ratio: 5/1: 5x Crank rotation = 1x spindle rotation
- Spindle/Guide diameter ratio: 4-5x sample diameter
- Device suitable for positioning in a cold chamber Product No.: 402.0020.04







Sample Alignment Device

Easy and precise arrangement of cable samples

Product No.: 402.0002.01





Technical Details:

Size (width x length x height)	130 x 80 x 65 mm 5.12 x 3.15 x 2.56 lnch
Weight	960 g 2.1 lbs
Material	Aluminium, Stainless steel, Brass, Rubber





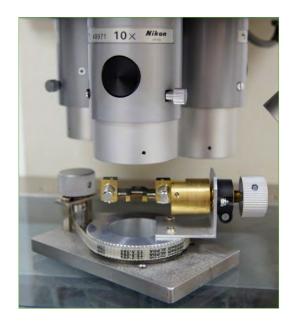






Device details:

- Simplifies the cable sample arrangement for measuring under a microspcope or the VCPLab
- Arranging with friction wheels, cogwheels and a durable rubber tooth belt
- Easy and quick operation
- Robust device made of aluminium, stainless steel and brass no corrosion
- Quick sample fixing of a cable sample due to a lever mechanism
- Perfect for e.g. measuring the heat pressure test indentation according to IEC 60811-508



Further Devices for the Cable Industry

Product data sheets





VisioCablePro® VisioTubePro®

Automatic Bobbin Unwinder ABU24

Gentle and automatic unwinding of braiding spools

Product No.: 402.0007.52



Technical Details:

Size (width x length x height)	1200 × 800 × 700 mm 47.24 x 31.5 x 27.55 Inch
Weight	47 kg / 104 lbs 55 kg / 121 lbs incl. packaging
Material	Aluminium, stainless steel, PVC
Supply voltage	230 V / 50 - 60 Hz
Input Power	max. 200 W
Appropriate individual diameter	0.05 - 0.3 mm 0.002 - 0.011 lnch
Max. thread cross section	20 mm²
Minimum bend radius	> 10 mm > 0.39 Inch
Appropriate materials	Metal wire; plastic; natural, glass and carbon fibres

The perfect machine to quickly and automatically return the winding material remaining on the spools to the recycling process. The spools do not suffer any damage and can therefore be used over a long period of time.

Device details:

- Enables up to 24 braiding spools to be unwound at the same time
- Appropriate spools:
 - Diameter of mandrel 23 mm (standard version)
 - Spool outer diameter up to 100 mm
 - Other spools with different inner and outer diameters possible
- Suitable for different winding materials, e.g. metal wire, plastic, natural, glass and carbon fibres















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In order to have an ideal customer relationship and to come up to the requirements of our customers quickly, we cooperate with numerous distributors worldwide. Our distributing agents dispose of a high technical know-how and are therefore competent contacts for all your questions. If you have any questions you want to ask us, or if you need a hand to carry out measuring tasks contact our distributors closest to you. They will be glad to help you.



You can find all important contact information about our distributing agents here:

www.iim-AG.com/distributing-agents

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