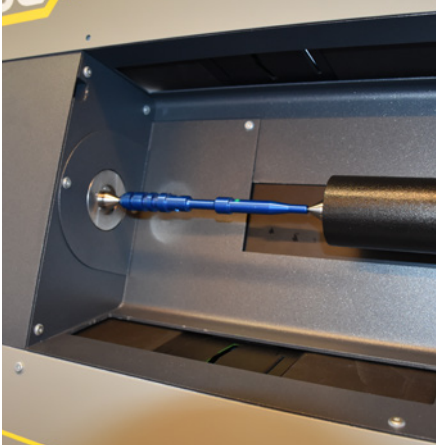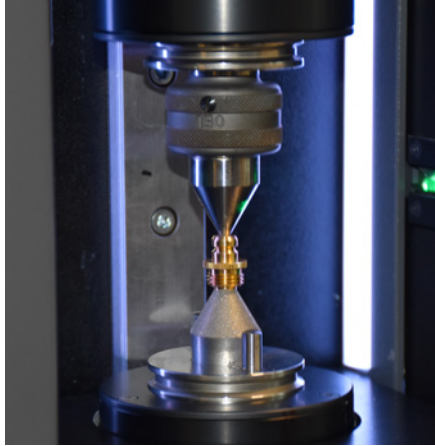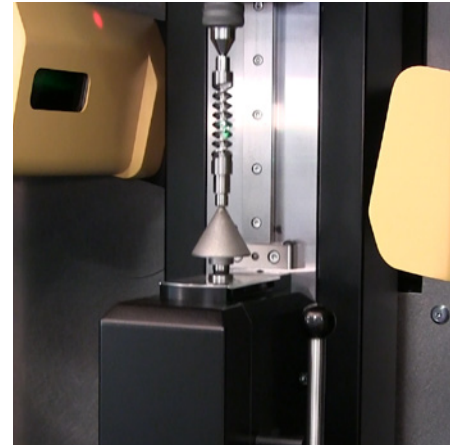# Optical measurement

APPLICATIONS

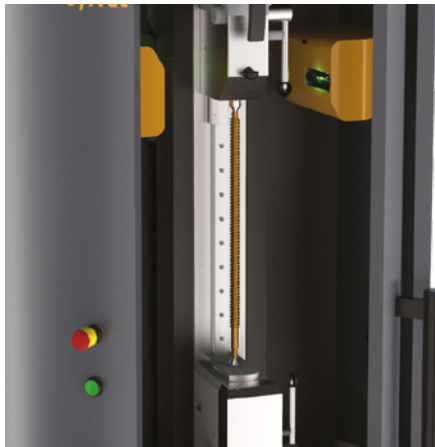Measurement of a turned part with SCAN 52

Part measurement with SCAN S25T
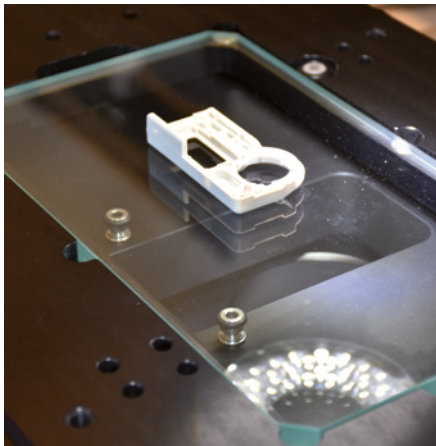

Thread measurement with SCAN F60T

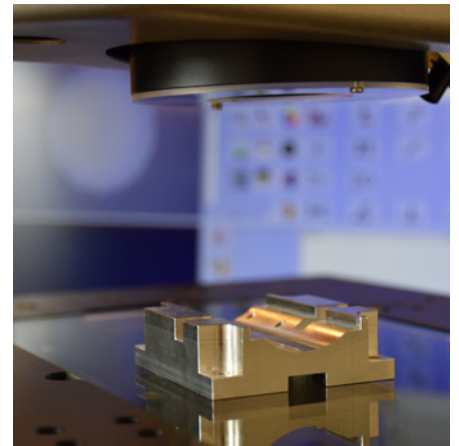Part measurement with SCAN F60

Part measurement with SCAN F60L

SCAN 52 and robot : closed loop with automatic correction of the part

Part lighted by ring light on VISIO

Part lighted by diascopic light on VISIO

Part lighted by coaxial light on VISIO

PLASTIFORM®

As an excellent complement to our Sylvac measuring instruments and optical machines, Plastiform's bi-component products allow us to obtain in a few minutes very precise impressions (replicas) of all the details of the surface to which they have been applied. Depending on the type of Plastiform product used, a complete or partial impression will be obtained with a soft, semi-flexible, rigid or semi-rigid consistency that can be measured optically. These products make it possible to avoid having to cut and therefore destroy sometimes expensive parts in order to be able to control them, or having to dismantle and move more important elements.

Plastiform®

DESCRIPTION

- Products with an initial liquid consistency to produce high precision, optically measurable, flexible to semi-rigid full impressions.
- Easy to use products, thanks to their fluidity, they can be set up by themselves.
- Specially designed for complex internal shapes, such as threads and grooves that require flexibility so that the impression can be removed from the workpiece without breaking it.
- Semi-rigid impressions can be cut with a double-blade cutter to measure the cross-section optically.

Cans 1.7l
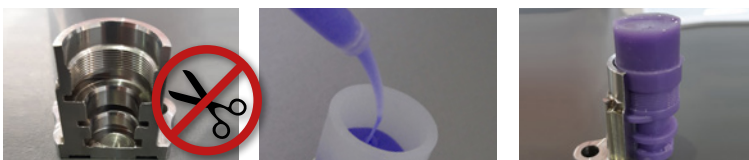
Cartridges 50ml and 400ml

Internal impression

Non-destructive control

Cans 10.2l

Cartridges 50ml	928-2001	928-2005	928-2101	928-2105	928-2002	928-2006	928-2102	928-2106
Type	SRL2	SRL3V	SRL5	SRL8	SRL2	SRL3V	SRL5	SRL8
Description	2 Cartridges 50ml + 12 Standard Nozzles + 3 Tips				8 Cartridges 50ml + 48 Standard Nozzles + 6 Tips			
Color	(green)	(black)	(blue)	(grey)	(green)	(black)	(blue)	(grey)
Final consistency	Flexible	Flexible	Semi-Flexible	Rigid	Flexible	Semi-Flexible	Semi-Flexible	Rigid
Cut with cutter ?	✘	✘	✔	✘	✘	✘	✔	✘
Removal constraint	30%	20%	10%	0%	30%	20%	10%	0%

Cartridges 400ml	928-3001	928-3003	928-3004	928-3005
Type	SRL2 L	SRL5 L	SRL7 L	SRL8 L
Description	1 Cartridge 400ml + 10 Quadro Nozzles			
Color	(pink)	(black)	(grey)	(grey)
Final consistency	Flexible	Semi-Flexible	Semi-Rigid	Semi-Rigid
Cut with cutter ?	✘	✘	✘	✘
Removal constraint	20%	5%	0%	0%

Cans 1.7l	928-8001	928-8005	928-8007	928-8009
Type	SRL2 XL	SRL5 XL	SRL7 XL	SRL8 XL
Description	1 Can 1.7l (2x 850ml)			
Color	(pink)	(black)	(grey)	(grey)
Final consistency	Flexible	Semi-Flexible	Semi-Rigid	Semi-Rigid
Cut with cutter ?	✘	✘	✘	✘
Removal constraint	20%	5%	0%	0%

Cans 10.2l	928-8002	928-8006	928-8008	928-8010
Type	SRL2 XXL	SRL5 XXL	SRL7 XXL	SRL8 XXL
Description	1 Can 10.2l (2x 5.1l)			
Color	(pink)	(black)	(grey)	(grey)
Final consistency	Flexible	Semi-Flexible	Semi-Rigid	Semi-Rigid
Cut with cutter ?	✘	✘	✘	✘
Removal constraint	20%	5%	0%	0%

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Plastiform®

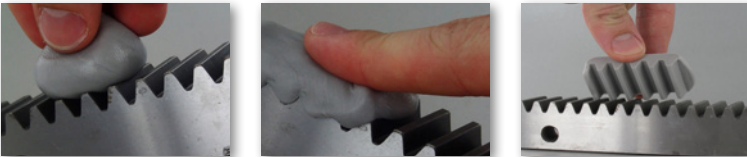| DESCRIPTION	CEMENT, DOUGH & RE-FORM PRODUCTS

- Cement (SRC), Dough (SRD) and Re-form (SRF) initial consistency products for checking partial internal and external shapes that can be measured optically or, for some products, to size.
- Impressions can be cut with a double-blade cutter to measure the cross-section optically.
- The SRC8 Ra product enables the production of indentations on which the roughness Ra can be measured with high precision.

Boxes 900ml

Cartridges 50ml

External impression (SRD)

Control of roughness Ra (SRC)

Protection (SRF)

Re-form

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Cartridges 50ml	928-2109	928-2113	928-2111	928-2110	928-2114	928-2112
Type	SRC3	SRC8 Ra	SRC10	SRC3	SRC8 Ra	SRC10
Description	2 Cartridges 50ml + 12 Standard Nozzles + 3 Tips			8 Cartridges 50ml + 48 Standard Nozzles + 6 Tips		
Color						
Final consistency	Flexible	Semi-Rigid	Rigid	Rigid	Semi-Rigid	Rigid
Cut with cutter ?	✔	✘	✘	✔	✘	✘
Removal constraint	20%	0%	0%	20%	0%	0%

Boxes 90ml	928-7004	928-7006	928-7008
Type	SRD6	SRD7	SRD9
Description	Small boxes 90ml (2x45ml)		
Color			
Final consistency	Semi-Flexible	Semi-Flexible	Rigid
Cut with cutter ?	✔	✔	✘
Removal constraint	5%	5%	0%

Boxes 900ml	928-7003	928-7005	928-7007
Type	SRD6	SRD7	SRD9
Description	Pack of boxes 900ml (2x450ml)		
Color			
Final consistency	Semi-Flexible	Semi-Flexible	Rigid
Cut with cutter ?	✔	✔	✘
Removal constraint	5%	5%	0%

Bags	928-4001	928-4001
Type	SRF	SRF
Description	Bag of 500g	Bag of 1000g
Color		
Final consistency	Rigid	Rigid
Cut with cutter ?	✘	✘
Removal constraint	-	-

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Plastiform®

KITS

- Complete kit with cartridges and accessories
- Large volumes kits
- Accessories

928-1207

Example of content of a large volume kit (928-5001)

928-1205

928-1201

928-1305

Twin blade cutter

928-1011

928-1003

928-1301

928-1008

928-1202

928-1212

Special kit SCAN & VISIO

928-6006

Kit complet	928-6006
Typ	Special kit SCAN & VISIO
Content	1 manual dispensing gun (928-1001), 1 twin blade cutter 60mmx1mm (928-1009), 1 cutting guide for cutter (928-1010), 50 standard mixer injectors, 10 standard white nozzle tips, 21 rings for mold removal (928-1008), 1 plastin 250g (928-1201), 1 degreaser DN1 400ml (928-1205), 1 Re-form bag (SRF) 50g (928-4001), 2 cartridges SRL2 (928-2001), 2 cartridges SRL5 (928-2101), 2 cartridges SRC3 (928-210), 1 cartridge SRL8 (928-2105), 1 tube SRD7 2x45ml (928-7006)

* Not included or delivered if shipped by air

Large volume kits	928-5001	928-5002	928-5003	928-5004
Type	Kit SRL2 KXL	Kit SRL5 KXL	Kit SRL7 KXL	Kit SRL8 KXL
Description	Kit with 4 cartridges 400ml and accessories			
Color	(pink)	(black)	(grey)	(blue-grey)
Final consistency	Flexible	Semi-Flexible	Semi-Rigid	Semi-Rigid
Cut with cutter ?	✕	✕	✕	✕
Removal constraint	20%	5%	0%	0%

Guns	928-1001	928-1002	928-1207	928-1208	928-1209
Description	Manual Dispensing Gun DS53 (for 50 ml cartridges)	Pneumatic Dispensing Gun DP50 (for 50 ml cartridges)	Manual Dispensing Gun DS 400 (for 400 ml cartridges)	Battery Dispensing Gun DB 400 (for 400ml cartridges)	Pneumatic Dispensing Gun DS 400 (for 400 ml cartridges)

Nozzles, tips and rings	928-1003	928-1004	928-1005	928-1301	928-1302
Description	Pack of 48 Standard Grey Mixer Injectors	Pack of 96 Standard Grey Mixer Injectors	Pack of 192 Standard Grey Mixer Injectors	Pack of 10 Needle Mixer Injectors	Pack of 50 Needle Mixer Injectors
Compatibility	Cartouches 50ml				

Nozzles, tips and rings	928-1303	928-1304	928-1305	928-1306	928-1210
Description	Pack of 100 Needle Mixer Injectors	Pack of 200 Needle Mixer Injectors	Pack of 50 Quadro Mixer Injectors	Pack of 100 Quadro Mixer Injectors	Pack of 10 Large Mixer Injectors
Compatibility	Cartouches 50ml		Cartouches 400ml		

Nozzles, tips and rings	928-1211	928-1212	928-1008	928-1202	928-1203	928-1201
Description	Pack of 50 Large Mixer Injectors	Box of 4 different Fill'in	Pack of 21 Rings for mould removal	Pack of 20 White Nozzles Tips	Pack of 50 White Nozzles Tips	Plastin
Compatibility	Cartouches 400ml	-	-	Injecteur mélangeurs standards gris		-

Cutters & products	928-1011	928-1101	928-1102	928-1103	928-1104
Description	Standard Twin Blade Cutter + Support	Special Twin Blade Cutter 60mm + Support	Special Twin Blade Cutter 60mm + Support	Special Twin Blade Cutter 100mm + Support	Special Twin Blade Cutter 100mm + Support
Space between blades	1mm	0.5mm	2mm	0.5mm	1mm

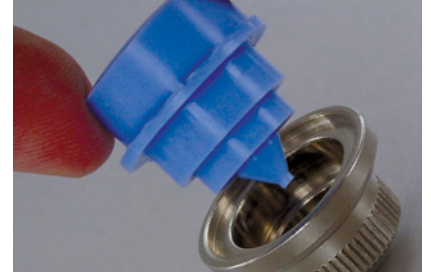| Cutters & products	928-1105	928-1106	928-1107	928-1108	928-1205*	928-1206*
Description	Special Twin Blade Cutter 100mm + Support	Special Twin Blade Cutter 200mm + Support	Special Twin Blade Cutter 200mm + Support	Special Twin Blade Cutter 200mm + Support	Surface cleaner DN1 400ml	Surface cleaner DN1 1l
Space between blades	2mm	0.5mm	1mm	2mm	-	-

* Not included or delivered if shipped by air

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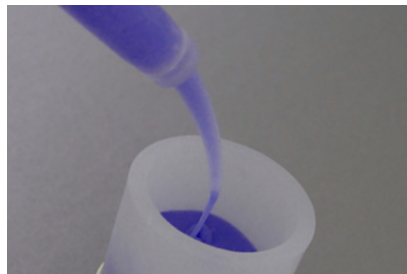
APPLICATIONS

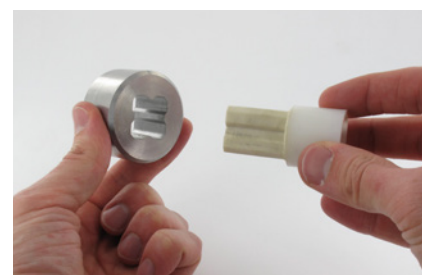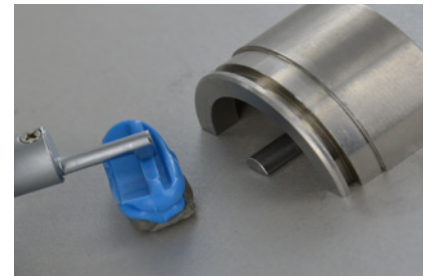Internal dimensional control

Internal dimensional control

External dimensional control

Non-destructive control
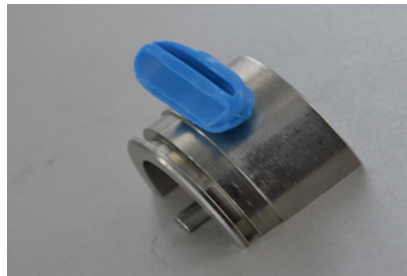

Custom protective cap
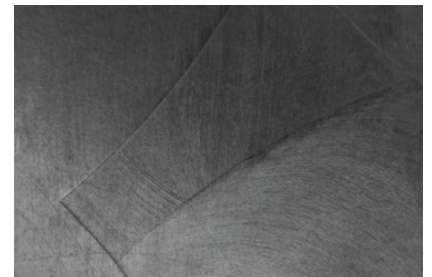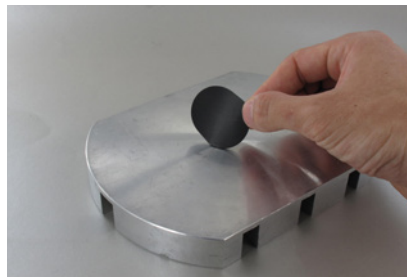
Plastiform®
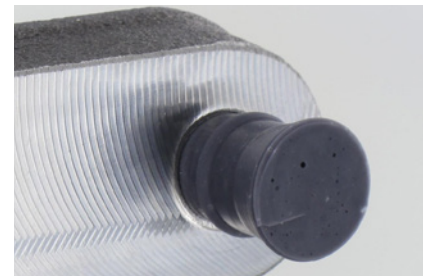
APPLICATIONS

Profile cutting

Roughness control Ra

Visual finishing control

Protection, masking, seal

Fix, clamp, add strength to parts

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