

Moulds



Ref.	Description	Diameter	MECA PRESS II	MECA PRESS III
53405	Mould	25,4 mm		
53406	Mould	30 mm		
53407	Mould	31,7 mm		
53408	Mould	38,1 mm		
53409	Mould	40 mm		
53410	Mould	50 mm		
53505	Mould	25,4 mm		
53506	Mould	30 mm		
53507	Mould	31,7 mm		
53508	Mould	38,1 mm		
53509	Mould	40 mm		
53510	Mould	50 mm		
53415	Booster of pressure for mould Ø50 mm*			

*to be used with transparent acrylic resin

Intermediate rams

Intermediate rams enable to achieve 2 simultaneous mountings with only one mould.



Ref.	Description	Diameter	MECA PRESS II	MECA PRESS III
53416	Intermediate rams	25,4 mm		
53420	Intermediate rams	30 mm		
53421	Intermediate rams	31,7 mm		
53422	Intermediate rams	38,1 mm		
53423	Intermediate rams	40 mm		
53424	Intermediate rams	50 mm		

Tank and pump

This tank and pump allow to work with a cooling in closed circuit. Water saving can be made during cooling cycle without extending cooling time.
Environmentally friendly!
• No more calcium problem.
• Water saving.

Ref.	Description	MECA PRESS II	MECA PRESS III
53515	55L Tank and pump		

Hot mounting

Hot embedding resins are extremely hard, acid-resistant and low-shrinkage. They reduce sweating and guarantee clean edges when polishing.



Hot mounting

Phenolic

Colour and content:
Black, green, red, white.
Black, glass fiber.
Black, with carbon filler.

Use:

- Standard checking of all types of materials
- Conductive for SEM and other applications.

Phenolic Resin	Conditioning in kg		
	2,5	10	25
Black Phenolic	Ref. 03001	Ref. 03101	Ref. 03150
Green Phenolic	Ref. 03002	Ref. 03102	Ref. 03151
Red Phenolic	Ref. 03003	Ref. 03103	Ref. 03152
White Phenolic	Ref. 03011	Ref. 03105	
Black, glass fibre	Ref. 03010	Ref. 03111	
Conductive phenolic	Ref. 03012		

Allylic

Colour and content:
Blue, glass fibre.

Use:

- Checking of the edges (coating, deposit, thermal treatment).

Allylic Resin	Conditioning in kg		
	2,5	10	25
Allylic glass fibre	Ref. 03005	Ref. 03106	

Allylic

Colour and content:
Copper, transparent.

Use:

- Checking of materials undergone polished or electrolytically etched
- Standard checking of all types of materials.

Acrylic Resin	Conditioning in kg		
	2,5	10	25
Acrylic powder of copper	Ref. 03006		
Acrylic transparent	Ref. 03007	Ref. 03108	
Acrylic transparent granite	Ref. 03015		

Epoxy

Colour and content:
Black

Use:

- Checking of the edges.

Epoxy Resin	Conditioning in kg		
	2,5	10	25
Black Epoxy	Ref. 03009	Ref. 03109	



Mould removal aerosol

Silicone made SIL JET for mould removing aerosol
To ease the removal of your samples,
Spray into the mould of the mounting machine!

Ref. 03008 Silicone made SIL JET Mould removal aerosol

▲ Cold mounting



Our KM products are acrylic type.
 Each easy to use kit has 2 constituents:
 powder and liquid.
 KM resins polymerise at around 75°C,
 a temperature that does not alter most specimens.
 MA2, 2S and IP resins comprise 2 liquid
 constituents the resins itself and its hardener.
 These resins are totally transparent.
 MA2 and 2S cure at ambient temperature,
 whereas IP resins require a vacuum oven.

■ Cold mounting resins

KM-U
 Type: acrylic
 Color: transparent
 Shrinkage: low
 Polymerisation at 20°C:
 10 minutes.

KM-U Resin	
Powder 1 kg	Ref. 04141
Liquid 500 cc	Ref. 04142
Powder 10 kg	Ref. 04143
Liquid 5 L	Ref. 04144

KM-V
 Type: acrylic.
 Color: blue.
 Shrinkage: very low
 Polymerisation at 20°C:
 6 minutes.

KM-V Resin	
Powder 1 kg	Ref. 04032
Liquid 500 cc	Ref. 04033
Powder 10 kg	Ref. 04034
Liquid 5 L	Ref. 04035

**KM-EX
 expansive**
 Type: acrylic.
 Color: blue.
 Shrinkage: very low.
 Polymerisation at 20°C:
 8 minutes.

KM-EX expansive Resin	
Powder 1 kg	Ref. 04170
Liquid 500 cc	Ref. 04171

**KM-EM
 impression**
 Type: acrylic.
 Polymerisation at 20°C:
 8 minutes.

KM-EM impression Resin	
Powder 1 kg	Ref. 04151
Liquid 500 cc	Ref. 04152

■ Cold mounting resins

IP impregnation

Type: epoxy.
Color: transparent.
Shrinkage: very low.
Polymerisation at 50°C:
3 hours.

IP impregnation Resin

Pack of 1 kg resin + 100 cc catalyst

Ref. 04200

100 cc catalyst

Ref. 04201

2S

Type: polyester.
Color: transparent.
Shrinkage: low.
Polymerisation at 20°C:
90 minutes.

2S Resin

Pack of 1 kg resin + 50 cc catalyst

Ref. 04010

50 cc catalyst

Ref. 04011

MA2

Type: epoxy.
Color: transparent.
Shrinkage: very low
Polymerisation at 20°C:
12 hours.

MA 2 Resin

Pack of 1 kg resin + 125 cc catalyst

Ref. 04008

125 cc catalyst

Ref. 04009

KM-CO

Conductive resin with
carbon filler for electronic
microscopes and
electrolytic polishing
Shrinkage : low.
Polymerisation at 20°C:
30 minutes.

KM-CO Resin

Pack of 1 kg resin + 1 litre

Ref. 04160

■ Colorants for resins

Liquid colorants for KM-U, MA 2, IP Resins

Red

Ref. 04180

Green

Ref. 04181

Blue

Ref. 04182

Yellow

Ref. 04183

Powder colorants for 2S Resin

Red

Ref. 04184

Blue

Ref. 04185

Yellow

Ref. 04186

Kern Weighing machine - Max. Weight 400 g. Precision 0,1 g

Ref. 70051



Colouring

Colouring the resins allow a quick visual identification of samples either by material type, by series or by batch.



Mounting moulds

KM

Materials: acrylic resin + aluminium base.
 Characteristics: Detachable base. Non-reusable.

KM cold mounting moulds	
Box of 30 non-reusable acrylic moulds Ø 25 mm	Ref. 04013
Box of 30 non-reusable acrylic moulds Ø 30 mm	Ref. 04014
Box of 30 non-reusable acrylic moulds Ø 40 mm	Ref. 04015



KM moulds from PRESI guarantees a perfect diameter. Profitable: less resin to use!

Teflon

Material: teflon.
 Characteristics: Detachable base. Reusable.

Teflon cold mounting moulds	
Box of 5 teflon moulds Ø 20 mm	Ref. 04016
Box of 5 teflon moulds Ø 25 mm	Ref. 04017
Box of 5 teflon moulds Ø 30 mm	Ref. 04018
Box of 5 teflon moulds Ø 40 mm	Ref. 04019
Box of 5 teflon moulds Ø 50 mm	Ref. 04020

Rubber

Material: rubber.
 Characteristics: One-piece. Reusable.

Rubber cold mounting moulds	
Box of 5 rubber moulds Ø 25 mm	Ref. 04021
Box of 5 rubber moulds Ø 30 mm	Ref. 04022
Box of 5 rubber moulds Ø 40 mm	Ref. 04023
Box of 5 rectangular rubber moulds 55 x 30 x 22 mm	Ref. 04025
Box of 5 rectangular rubber moulds 70 x 40 x 22 mm	Ref. 04026
Box of 5 rectangular rubber moulds 100 x 50 x 22 mm	Ref. 04027

Polyethylenes

Material: polyethylene.
 Characteristics: Detachable base. Reusable.

Polyethylene cold mounting moulds	
Box of 5 transparent polyethylene moulds Ø 25 mm	Ref. 04028
Box of 5 transparent polyethylene moulds Ø 30 mm	Ref. 04029
Box of 5 transparent polyethylene moulds Ø 40 mm	Ref. 04030

Reusable rubber

Material: rubber.
 Characteristics: One-piece. Reusable.

Accessories for cold mounting	
Box of 5 measuring cups with 250 cc stirring rods	Ref. 04024
Kit of 100 cups + 100 wooden stirrers	Ref. 04900
Box of 100 metallic holding springs	Ref. 04110
Box of 100 blue plastic holding clips	Ref. 04111
Box of 100 coloured plastic holding clips	Ref. 04112