



# Equipment & Tools Catalogue 2023

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# WORKSHOP EQUIPMENT

# Socket Routers / Grinders

## 2M10 Maschinen "Schmid" Socket Router HF3 Vario Eco II

### Features

- Router motor with continuously adjustable electronic speed control, incl. motor brake
- for connection to a central dust extractor with minimum air speed of 20 m/s and vacuum of 780 Pa
- infinitely variable angle adjustment of the motor shaft
- manual height adjustment by means of crank handle
- multiple adjustable extractor hopper
- removable axis protection
- fork spanner 24 mm and 27 mm
- threaded bolt 5/8" or M16

### Electrical equipment

- electric protective circuit according to VDE standards with undervoltage release and fixed EMERGENCY-OFF foot switch
- ON / OFF switch for router motor
- with safety main switch resp. motor protection switch
- approx. 2 m power cord with CEE plug 5 x 16 A
- for use of machines with frequency converters: For continuous speed adjustment, Streifeneder recommend to replace the FI-switch (leakage current switch) in the switch box by an all-current sensitive FI.

### Technical data

- Total height: 1600 mm
- Foot dimensions / space requirement W x D: 570 x 450 mm
- Work place requirement W x D: approx. 1000 mm x 1400 mm
- Variable working height: 560 – 1400 mm
- router axis length: 430 mm
- Suction nozzle: Ø 125 mm with a reduction to Ø 100 mm
- Continuously adjustable speed: 750 – 3000 rpm
- noise level: approx. 68 dB(A)
- Power requirements: 400 V / 50 – 60 Hz / 3 Ph / 2.2kW
- Colour: RAL 7011 anthracite, powder-coated
- Weight: 140 kg

### Special voltages

- 230 V / 50 – 60 Hz / 1 Ph / 2.2kW (2M10/1523)



### 165P21 Threaded Manifold



| It   | Et   | Item No.  |
|------|------|-----------|
| 5/8" | 1/2" | 165P21/12 |
| M16  | 5/8" | 165P21/16 |
| 5/8" | M16  | 165P21/58 |

It = internal thread, Et = external thread

### 1M23-4 Threaded Stud

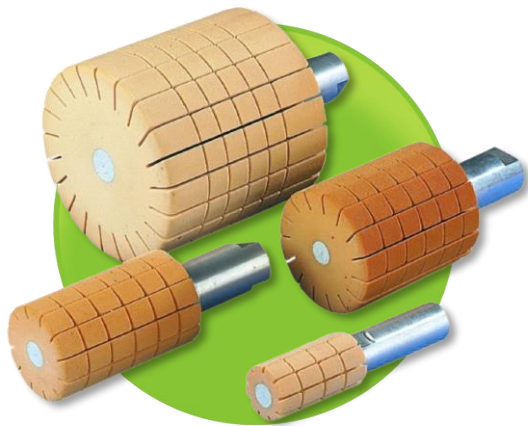


| It   | Et   | Item No. |
|------|------|----------|
| 5/8" | M16  | 1M23/16  |
| M16  | 5/8" | 1M23/58  |
| M16  | M16  | 1M24/16  |
| M16  | 5/8" | 1M24/58  |

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# Rounded Sanding Rolls



## Threaded Sanding Rolls

- M16 / 5/8" threads available
- 4 sizing options available
  - 161P45 25 x 50mm
  - 161P47 60 x 75mm
  - 161P52 45 x 75mm
  - 161P51 100 x 100mm

## 161P85 Rubber Sanding Roll

- to pull onto the router machine shaft, comes with one sanding sleeve
- tapered hole  $\varnothing$  72,5 mm, length 200 mm

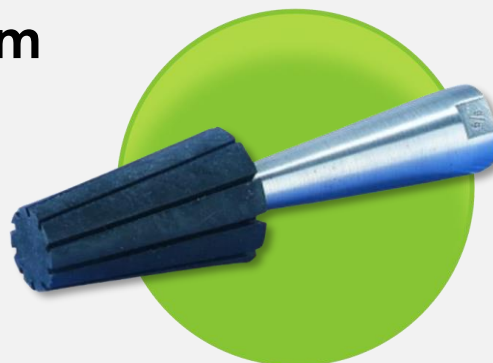


## 161P7... Polishing Arbor

- M16 / 5/8" threads available
- 2 sizing options available
  - 161P75 25 x 100mm
  - 161P79 20 x 100mm

## 161P80 Conical Sanding Drum

- M16 / 5/8" threads available
- length 60 mm,  $\varnothing$  22/36 mm



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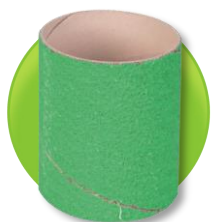
# Sanding Sleeves



## Ceramic Sanding Sleeves

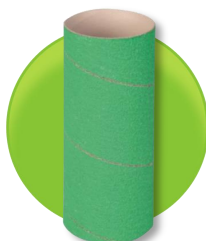
- extremely high sanding performance at up to **300% compared to conventional sanding sleeves**
- low sanding temperature due to special ceramic coating
- excellent sanding results with less wear
- when grinding plastics, the sanding sleeve does not stick so quickly as the temperature is dissipated more effectively by the ceramic gain
- 4 shape variations

**161P93**



60 x 75mm  
40 grit

**161P94**



74 x 190mm  
40 / 80 grit

**161P95**



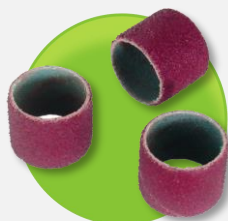
60 x 36 x 22mm  
60 / 80 grit

**161P96**



100 x 100mm  
40 grit

## Conventional Sanding Sleeves



| Item code    | Ø x Length    | Grit Options                  |
|--------------|---------------|-------------------------------|
| 161P46       | 25 x 50 mm    | 40 / 80 / 120                 |
| 161P52       | 45 x 75 mm    | 24 / 40 / 60 / 80 / 100 / 120 |
| 161P47       | 60 x 75 mm    | 24 / 40 / 60 / 80 / 100 / 120 |
| 161P51       | 100 x 100 mm  | 24 / 40 / 80 / 120            |
| 161P86       | 72.5 x 200 mm | 40 / 50 / 80 / 100            |
| 161P79       | 20 x 50 mm    | 40 / 150                      |
| 161P76       | 25 x 50 mm    | 40 / 150                      |
| 107P1 (cone) | 22/36 x 60 mm | 50 / 80 / 150                 |
| 161P04       | 22 x 20 mm    | 40 / 120                      |
| 161P05       | 30 x 20 mm    | 40 / 120                      |

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# Socket Router Attachments

## Silicone Grinding Cones



- perfectly suitable for grinding the edges of soft and permanently flexible plastic materials (e.g. EVA-based materials such as Streifyflex or Streifytec soft, LDPEs with low density, e.g. Streifylast)
- M16 or 5/8" threads available – stand available as separate item (161P26)
- not suitable for hard materials and foams
- 5 size/shape options



161P26/1



161P26/2



161P26/3



161P26/4



161P26/5

## Rasp Heads



- for wood, hard foam and soft foam works, medium cut
- M16 or 5/8" threads available
- 5 size/shape options available



161P5/6  
30 x 105mm



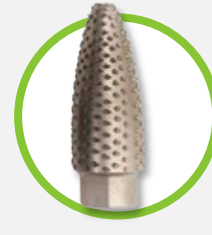
161P5/1  
50 x 100mm



161P5/2  
50 x 80mm



161P5/4  
35 x 55mm



161P5/3  
30 x 85mm



# Socket Router Attachments



## 159P5/200 Lamella Fleece Wheel (large)

- suitable for item 161P33
- without thread, for metal- and plastic works
- width 50 mm, diameter: 200mm
- hole: Ø 16mm

## 159P5/(80,100) Lamella Fleece Wheel (small)

- suitable for item 161P33
- for metal- and plastic works
- 5/8" thread
- 2 diameter variations available:
  - 159P5/80: 80mm
  - 159P5/100: 100mm



## 161P32 Polishing Wheel



- suitable for item 161P33
- made of cotton, for polishing works
- 4 size variations available: Ø x Width
  - 161P32/1: Ø120 x 20mm width, 16mm hole
  - 161P32/2: Ø200 x 30mm width, 16mm hole
  - 161P32/3: Ø200 x 30mm width, 20mm hole
  - 161P32/4: Ø250 x 30mm width, 16mm hole

## 161P33 Holder

- for all polishing and lamella wheels
- 2 thread sizes available:
  - 161P33/16: M16
  - 161P33/58: 5/8"



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# Grinding & Milling Bits



## 107P11 Grinding Bit Set

- shank  $\varnothing$  6 mm, hardness grade M, rough grain
- for power tools with drill chuck
- 10-piece
- weight: 0.4kg

## 107P10 HSS Milling Bit Set

- in plastic case, shank  $\varnothing$  6 mm
- for power tools with drill chuck
- ten-parts



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# Sanding Machines



## 10M20 Table Sander

- tool holder M16 or 5/8"
- integrated extraction
- foldaway and removable hood for dust reduction, incl. dust bag
- 2 m power cord with grounded plug
- without tool heads
- speed 2820 RPM
- dimensions W x D x H: 430 x 360 x 400 mm
- power requirements: 230 V / 50 Hz / 1 Ph / 0,55 kW
- colour: RAL 7035 light grey
- weight: 16 kg

## 96M22/3540 Belt Sanding Machine

- integrated suction unit
- additional motor with naumkeag sander
- front taper Ø 80 mm with bayonet closure (MK3)
- 2 sanding belts
- 3 m power cord with CEE plug 5 x 16 A
- dimensions W x D x H: 750 x 815 x 1615 mm
- 1 x sanding belt: 40 x 1650 mm, contact wheel: Ø 170 mm
- 1 x sanding belt: 100 x 1480 mm, contact wheel: Ø 110 mm
- power requirements: 400 V / 50 Hz / 3 Ph / 2,1 kW
- colour: RAL 7035 light grey
- weight: 235 kg



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# Bench-Mounted Equipment



## 75M1 Bench Vise

- forged steel with hardened jaws and adjustable guide rail
- colour: blue
- Jaw widths (mm): 120 / 140 / 160 / 180
- Span (mm): 150 / 200 / 225 / 225
- Pipe clamping range (mm): 16-55 / 27-70 / 27-11 / 27-100
- Weight (kg): 9 / 16 / 27 / 29

## 75M1/1... Lift

- suitable for mounting on work benches, with pneumatic spring
- height adjustable around 200 mm
- 360° rotatable
- colour: blue, other colours available upon request
- weight: 11kg
- 2 permissible load options (kg): 4-10 / 10-16 / 16-29



## 70M4 Cutting, Levelling, Sharpening, Splitting, and Pressure Machine

- to process all types of leather, rubber and other “soft” materials
- with long steel arm and welt pressing device
- cutting: to 190 mm width, material thickness: 0,5 – 6 mm
- sharpening and splitting: to 30 mm, material thickness: 2 – 8 mm
- weight: 20 kg net



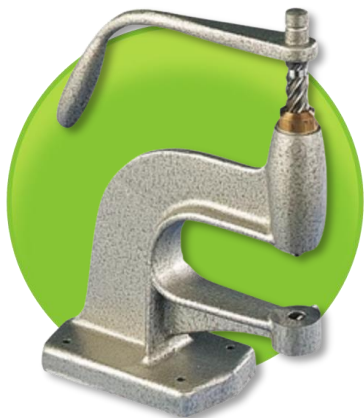
### 70M4/R Cutting wheel

- Spare part for item 70M4



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# Punch Press



## 168P1 Eyelet Punch Press

- manual arbor press for insertion of eyelets, hooks and snap fasteners, as well as for hole punching
- comes with thread M6 for upper die
- 150mm outreach

## 168P20 Revolving Eyelet Punch Press

- turret manual arbor press, consists of 10 different dies resp. inserts
- for eyelets, hooks and snap fasteners, also for hole punching
- 105mm outreach

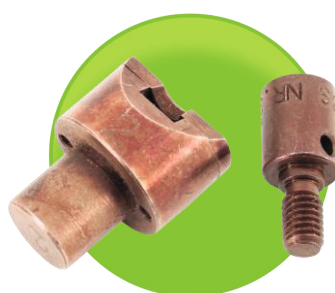


### Die for Eyelet



- For 168P1
- 6 size variations available
  - 7 x 4 x 4.5mm
  - 8 x 4 x 5mm
  - 9 x 4 x 5mm
  - 10 x 5 x 5.5mm
  - 12 x 6 x 6mm
  - 15 x 8 x 6mm

### Die for Lacing Hook



- For 168P1
- 2 head dimensions available
  - 6.5 x 8mm
  - 9 x 10mm

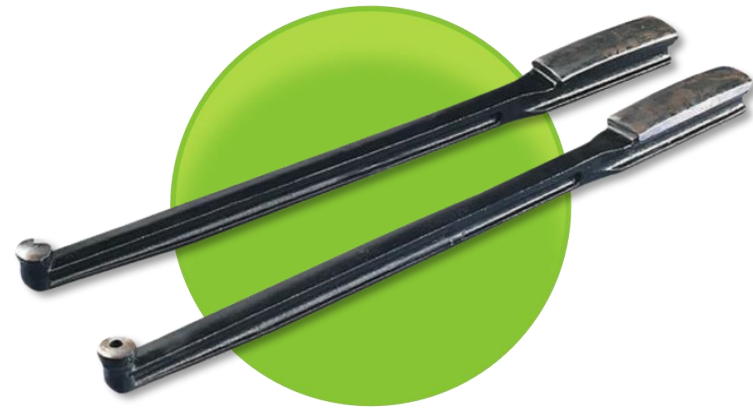
### Die for Snap Fastener



- For 168P1
- 2 head diameter variations available
  - 13mm
  - 15mm

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# Rivet Tools

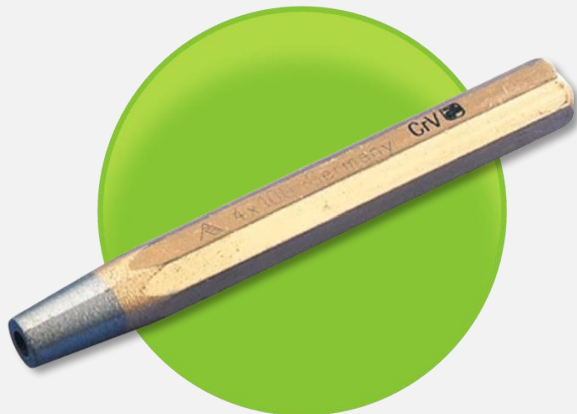


## 164P1(7,8) Riveting Bar

- material: forged metal
- length: 680 mm
- available with rivet hole (164P18) or without (164P17)

## 172P4 Rivet Setter

- material: coated CV-steel
- 3 variants available:
  - for Rivet  $\varnothing$  3mm: 172P4/3
  - for Rivet  $\varnothing$  4mm: 172P4/4
  - for Rivet  $\varnothing$  5mm: 172P4/5



## 162P5 Rivet Header

- material: coated CV-steel
- 3 variants available:
  - for Rivet  $\varnothing$  3mm: 162P5/3
  - for Rivet  $\varnothing$  4mm: 162P5/4
  - for Rivet  $\varnothing$  5mm: 162P5/5
  - for Rivet  $\varnothing$  6mm: 162P5/6

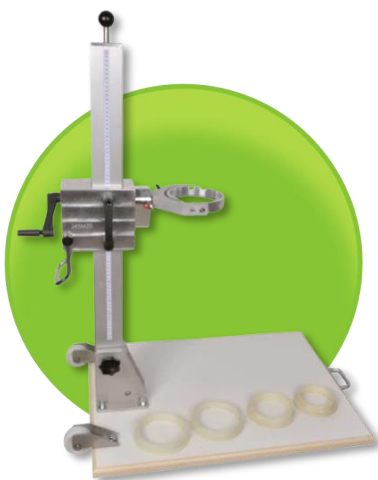


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# Casting Apparatus

## 145M20 Casting Apparatus w/ Baseplate



145M20 & 145M30 also available as a combined set!

- for plaster casting under body load incl. base plate 145M21 and one casting ring set 145M22/S
- mobile use with transport castors and -handle
- space saving due to built-in folding mechanism
- quick-adjustment lever provides even easier height settings of the casting apparatus in seconds
- high quality, sturdy choice of material
- exact adjustment options by means of crank handle
- the firmly mounted transport castors and -handle allow mobile use of the device by simply pulling or pushing it effortlessly to the requested location. Due to the integrated folding mechanism, the device can be stowed away or transported in a vehicle easily.
- space required: 2000 x 2000 mm
- dimensions W x D x H: 900 x 600 x 1120 mm

## 145M30 Supporting Device for AK-plaster casting

- enables with 145M20 the processing of thigh plaster negative casts with AK casting rings under body load
- Scope of supply does not include AK casting ring



## 165P20 AK Casting Ring Set

- version "ischial containment", with receiving hole for an AK-trial-measuring-system
- Available in L/R in circumference sizes 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 54, 56, & 58, 60, 62, & 64cm.
- Full set of 44 rings (22 sizes in L and R) available (165P20/S)

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# Transfer Apparatus

## 145M50 Multifunction Transfer Apparatus



- fixing of round and angular one- and two-way suction tubes and of diverse plaster model rods possible up to 35 mm
- fixing of the prosthetic socket can be done either with the tube adapter or with the SACH-foot adapter
- horizontal shifting of the upper and lower fixing by 50 mm each is possible in order to transfer extreme socket positions
- firmly integrated, easily readable height scale (900 mm)
- high quality, durable materials
- steplessly rotatable by 360° degrees via wing screw
- dimensions W x D x H: 240 x 330 x 1000 mm
- scope of supply does not include bench vise & lift

### Scope of supply includes:



**145M50**  
**Multifunction**  
**Transfer Apparatus**



**16A9/M10**  
**S.A.C.H. Foot**  
**Adapter**



**15A5/S100**  
**Stainless Steel**  
**Tube Adapter**



**168P78**  
**Two-Way**  
**Vacuum Pipe**

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# Silicone Processing

## 90E33 Electric Silicone Roller desktop unit



- for mixing and rolling of silicone of 0.1 to 15 mm material thickness
- integrated soft-touch control panel in the casing
- emergency-off switch at the casing
- foot pedal
- manually adjustable roller distance by hand lever
- digital indication of roller distance
- safety device in front of rollers
- automatic opening of the rollers by emergency-off bar
- backlight behind rollers
- roller dimensions: Ø 100 x 400 mm
- machine dimensions W x D x H: 780 x 530 x 580 mm
- power requirements: 230V / 50-60 Hz / 1 Ph / 0,37 kW
- weight: 170 kg

## 90E30 Electric Silicone Roller

- for mixing of large quantities of silicone
- for rolling out big silicone sheets from 0.1 to 20 mm thickness
- integrated soft-touch-control-panel in the casing
- foot pedal with emergency-off function
- electric adjustable roller distance
- manual hand crank for emergencies
- safety devices
- digital display of roller distance: 0 – approx. 20 mm
- max. roller sheet dimension: 650 x 720 mm
- dimensions of rollers: Ø 200 mm x 740 mm
- machine dimensions W x D x H: 1140 x 650 x 1300 mm
- motor speed: 1480 RPM, output power: 510 Nm
- power requirements: 230 V / 50 Hz / 1 Ph / 1,5 kW
- nominal current: 9 A, control voltage: 24 V DC
- weight: 340 kg net



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# Silicone Processing

## 90E35 Mechanical Silicone Roller



- for mixing of small quantities of silicone (up to 100 g) and for rolling out silicone sheets
- 2 manually operated chromed rollers, rotating in opposite direction
- manually adjustable roller gap
- dimensions: W x D x H: 600 x 350 x 310 mm
- diameter of rollers: 100 mm
- length of rollers: 350 mm
- roller gap: 0,1 – 3 mm, manually adjustable in 15 different steps
- max. sheet size: 300 x 300 mm
- colour of metal parts: RAL 7035 light grey
- weight: approx. 64 kg net

## 90E50 Silicone Work Station

- dust suction unit
- 3 drawers
- 4 sockets
- connections for gas, electro and compressed air
- front table for suction mouth
- flexible work lamp
- adjustable working height
- dimensions W x D x H: 1240 x 620 x 820 – 950 mm
- scope of adjustment: 6 adjustments à 25 mm
- power requirements: 230 V / 50 – 60 Hz / 1 Ph / max. 1 kW
- weight: approx. 130 kg
- colour: gentian blue



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# Vacupress

## 168P530 Vacupress, Deep-Drawing Unit

- Tabletop device for connection to an external vacuum pump
- equipped with a soft flexing mat
- manual vacuum adjustment
- vacuum and ventilation separately adjustable
- connection with 3 m vacuum hose Ø 13 mm (inner Ø)
- with integrated small-filter and non-return valve
- frame dimensions W x D (outer dimensions): 350 x 570 mm
- outer dimensions W x D x H: 360 x 660 x 180 mm
- weight: 18 kg



## 168P530-D Vacupress DUAL, Deep-Drawing Unit

- with a frame that is double as broad as 168P530
- tabletop device for connection to an external vacuum pump
- equipped with a soft flexing mat
- manual vacuum adjustment
- vacuum and ventilation separately adjustable
- connection with 3 m vacuum hose Ø 13 mm (inner Ø)
- with integrated small-filter and non-return valve
- frame dimensions W x D (outer dimensions): 570 x 570 mm
- outer dimensions W x D x H: 610 x 660 x 140 mm
- weight: 22 kg



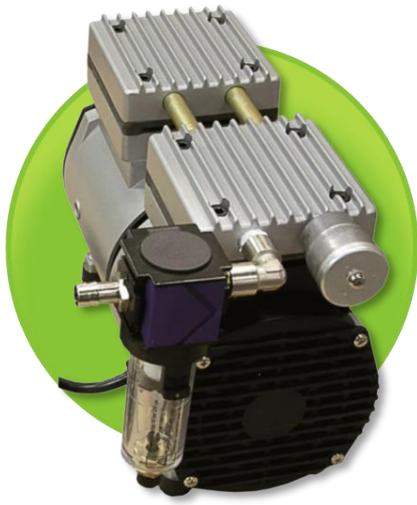
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# Vacuum & Compressed Air

## 168P533 Vacuum Pump

- for item 168P530 and 168P530/D
- also suitable for mobile use
- oil- and maintenance free
- filter / water separator 1/4"
- manual ON / OFF switch integrated in electric cord
- connection with 3 m vacuum hose  $\varnothing$  13 mm (inner  $\varnothing$ )
- quoted suction volume: 6m<sup>3</sup>/h = 6000 l/h
- final pressure: 60 mbar
- power requirements: 230 V / 50 – 60 Hz / 1 Ph / 0,27 kW
- dimensions incl. accessory W x D x H: 280 x 200 x 265 mm
- weight: 9.5 kg
- recommended to be used with the filter/water trap 1/4"  
Item-No. 168P532



## 168P51 Vacumat Type 340

- vacuum unit for the manufacturing of thin-walled cast resin laminates and thermoplastic deep-drawing works
- 2 separate, electronically infinitely adjustable vacuum units with pressure gauge
- 4 connections for resin lamination
- 2 connections for deep drawing
- 2 connections for external units
- hose connection, inside  $\varnothing$  6 mm
- 1,5 m power cord with grounded plug
- dimensions W x D x H: 425 x 385 x 220 mm
- suction capacity: 25 l/min, approx. 80 % vacuum
- Power requirements: 220 – 230 V / 50 Hz / 1 Ph / 0.14 kW
- Special voltages upon request.
- Weight: 18 kg



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# Ovens



## 168P503 Convection Oven Size 1

- consistent with base frame 168P502
- casing inside and outside made of stainless steel
- door with big window, opening to the front
- both sides of the door are suspended on springs
- 1 grate / 1 tray as a standard feature
- heating control light
- thermostat steplessly adjustable from 50 °C – 250 °C
- timer steplessly adjustable 0 – 120 min
- ON/OFF control light
- 1 fan motor
- heating: 1 x 2400 W
- power requirements: 230 V / 50 – 60 Hz / 1 Ph / 2,5 kW
- outer dimensions W x D x H: 527 x 450 x 316 mm
- inner dimensions W x D x H: 404 x 308 x 254 mm
- weight: 20 kg

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# Ovens

## 50M54 Heating Cabinet



- UL approval
- heating cabinet for heating of plastic sheet materials
- suitable for deep-drawing technology with deep-drawing frames as well as for drying of plaster cast models and for sintering technology
- 2 doors with windows
- interior made of stainless steel
- convection fan with adjustable ventilator speed
- electronic controlled preheating technology APT.line
- microprocessor PID switch and LED display
- timer functions: delayed OFF / delayed ON / temperature dependent delayed OFF
- USB interface for simple data transfer
- temperature limit controller class 2 (DIN 12880) with optical temperature alarm
- ethernet port
- electromechanical adjustment of air flap with position indicator in display
- 2 chrome-plated insert trays
- 1.80 m connection cable
- outside dimensions L x W x H: 1165 x 870 x 1590 mm
- inner dimensions W x D x H: 1000 x 1300 x 570 mm
- inside volume: 741 litres
- temperature range: 12 °C above room temperature up to 300 °C
- power requirements: 208 / 3 Ph / 60 – 4.5 Hz
- plug L21-20P
- colour: RAL 7035 light grey, powder coated
- weight (empty): 166 kg net
- special voltages
  - Special voltages: 208 V / 3 Ph / 60 Hz / 4.5 kW (50M54/3620)

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# IR Ovens

## 51M10/3540 Infrared Oven



- for quick heating of plastic materials
- also suitable for deep-drawing technology with deep-drawing frame
- stainless steel interior
- panel heating with 8 infrared quartz-tubes
- temperature measurement of the material surface by means of opto-electronic IR-measuring unit
- touch screen operation & timer function
- heating ramp function (e.g. for Pre-preg)
- graphic display of heating processes progression
- memory for user-defined heating processes
- double swing door with two double pane viewing windows
- 1 PTFE coated tray (exchangeable)
- access to online user manuals via QR code scan
- power cord with CEE-plug, 5-pole, 16 A
- interior lighting: 2 x 25 watts
- inner dimensions W x D x H: 810 x 580 x 540 mm
- outer dimensions W x D x H: 900 x 700 x 920 mm
- number of quartz-infrared tubes: 8 pcs. 390 mm / 460 watts (tubes are exchangeable)
- continuously adjustable temperature range by means of PID-controller: 30 °C – 250 °C (86 °F – 482 °F)
- power requirements: 380 – 400 V / 50 – 60 Hz / 3 Ph / 3,7 kW
- available in following colours: RAL 5017 (traffic blue) / RAL 7035 (light grey) or RAL 7035 (light grey) / RAL 7037 (dust grey)
- weight net / gross: 133 kg / 185 kg
- special voltages
  - 200 – 230 V / 50 – 60 Hz / 3 Ph (51M10/3523) (without plug)
  - 200 – 230 V / 50 – 60 Hz / 1 Ph (51M10/1523) (without plug), note: connection must be protected by a 20 A fuse
- optionally available with stainless steel- feed through for vacuum hose in the front area of the left side, item-no. 51M16

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# IR Ovens

## 51M15/3540 Infrared Oven



Other IR oven size variations also available!



**51M12/3540**

Inner: 1000 x 800 x 500 mm



**51M13/3540**

Inner: 1300 x 1590 x 500 mm



**51M14/3540**

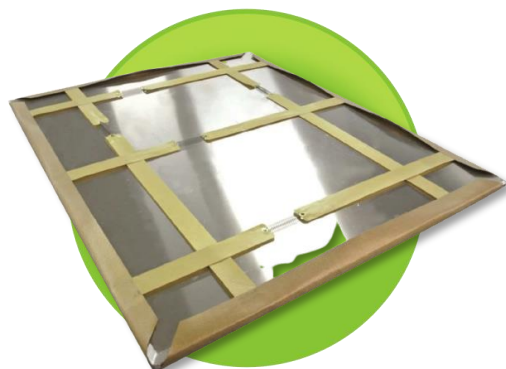
Inner: 2200 x 1090 x 500 mm

- incl. moveable roll-about tray
- for quick heating of large plastic materials and for production of Prepreg orthoses
- also suitable for deep-drawing technology with deep-drawing frame
- panel heating with 18 infrared quartz-tubes, dual zone switching (6/18)
- temperature measurement of the material surface by means of opto-electronic IR-measuring unit
- touch screen operation & timer function
- Heating ramp function (e.g. for Pre-preg)
- graphic display of heating processes progression
- memory for user-defined heating processes
- double pane viewing window, gas spring assisted, vertical opening mechanism
- exchangeable PTFE coated roll-about tray with 4 locking casters, height continuously adjustable by gas spring (min. 820 mm, max. 1050 mm)
- roll-about tray with fully integrated holder for the deep-drawing frame
- access to online user manuals via QR code scan
- stainless steel hose bushing (inside  $\varnothing = 15$  mm) incl. stainless steel cover cap
- power cord with CEE-plug, 5-pole, 16 A
- interior lighting: 2 x 25 watts
- inner dimensions W x D x H: 1300 x 1090 x 500 mm
- outer dimensions W x D x H: 1595 x 1270 x 1400 mm
- total height with opened door: 1850 mm
- number of quartz-infrared tubes: 6 pcs. 490 mm / 460 watts; 12 pcs. 390 mm / 460 watts (tubes are exchangeable)
- continuously adjustable temperature range by means of PID-controller: 30 °C – 250 °C (86 °F – 482 °F)
- power requirements: 380 – 400 V / 50 – 60 Hz / 3 Ph / 8.5 kW
- available in following colours: RAL 5017 (traffic blue) / RAL 7035 (light grey) or RAL 7035 (light grey) / RAL 7037 (dust grey)
- weight net: 290 kg
- special voltages
  - 200 – 230 V / 50 – 60 Hz / 3 Ph (51M15/3523) (without plug)
  - 200 – 230 V / 50 – 60 Hz / 1 Ph (51M15/1523) (without plug), note: connection must be protected by 50 A fuse
- optionally available with stainless steel- feed through for vacuum hose in the front area of the left side, item-no. 51M16

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# IR Oven Accessories

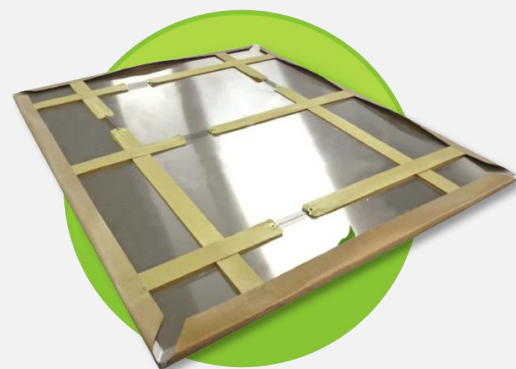


## PTFE-Foil, airtight

- suitable for items 51M12, 51M13, 51M14, 51M15, 51 M17
- thickness: 0,15 mm
- complete with fastening straps and springs

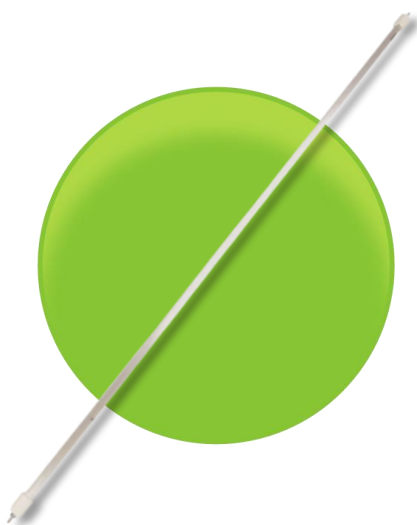
## PTFE-Foil, porous

- suitable for infrared ovens 51M12, 51M13, 51M14, 51M15, 51M17
- thickness: 0,2 mm
- complete with fastening straps and springs



## Infrared Emitter

- with spring mounted reflector and connection strand
- varying length & capacity variations available to suit items:
  - 390mm & 460 Watt suit items 50M10, 50M11, 50M13, 50M15, 51M10, 51M13, & 51M15
  - 490mm & 460 Watt suit items 50M13, 50M14, 50M15, 51M13, 51M14, & 51M15
  - 490mm & 600 Watt suit items 50M12 & 51M12
  - 490mm & 825 Watt suit items 50M12 & 51M12



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# Extraction

## 20M300 Clean Air Dust Extractor POWER UNIT 300



### Optional accessories

- Chip collection bags for POWER UNIT 250/300 item-no. 20M550/3
- Debris level indicator for POWER UNIT item-no. 20M530
- Machine recognition with push control 24 V item-no. 20M500
- Frequency converter for demand control item-no. 20M520/3
- Extraction hose item-no. 150M1/300
- Special voltage 220 V / 60 Hz / 3 Ph + PE (20M300/3623), without plug

- with automatic compressed air filter cleaning system
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- optional machine recognition and automatic start of up to 16 processing machines
- optimal extraction by surface filtration and integrated pre-filtration
- fully automatic compressed air filter cleaning with patented OPTIJET technology
- powerful, efficient extraction
- simple operation, low maintenance
- BG inspected
- residual dust content: H3 (0.1mg/m<sup>3</sup>)
- ON / OFF switch for clean-air dust extractor
- inner hose filters
- control unit optionally upgradeable
- ventilator located at clean-air side
- volume flow monitoring with signal lamp
- switch for manual filter cleaning
- 2 chip collectors incl. chip collection bags
- 5 m power cord with CEE plug
- 5-pin plug, 32A A with phase changer
- dimensions W x D x H: 2963 x 994 x 2346 mm
- extraction nozzle: Ø 300 mm
- nominal air flow capacity at connector at 20 m/s: 5089 m<sup>3</sup>/h
- max. volume air flow: 6000 m<sup>3</sup>/h
- negative pressure at connector: 2045 Pa
- max. sound pressure level: approx. 72,5 dB(A)
- filter surface: 30 m<sup>2</sup>
- filter material: dust class M, electrical conductive, washable
- chip collection volume: 3 x 250 litres
- compressed air connection: 1/2" standard plug
- power requirements: 400 V / 50 Hz / 3 Ph / 7.5kW
- weight: 952 kg

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# Extraction

## 20M120/M Clean Air Dust Extractor POWER UNIT 120



### Optional accessories

- chip collection bags for POWER UNIT 100/120 item-no. 20M550/1
- automatic starter item-no. 20M540
- extraction hose item-no. 150M1/120

- with automatic filter cleaning system and machine recognition
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- long filter service life
- optimal pre-filtration in the intake area
- powerful, efficient extraction
- simple operation, low maintenance
- BG inspected
- residual dust content: H3 (< 0,1 mg/m<sup>3</sup>)
- ON / OFF switch for clean-air dust extractor
- switch for manual filter cleaning
- high performance bag filter
- volume flow monitoring with signal lamp
- 1 chip collector incl. chip collection bag
- 5 m power cord with CEE plug
- 5-pin plug, 16 A with phase changer
- Technical data
- dimensions W x D x H: 1178 x 650 x 1973 mm
- extraction connector: Ø 120 mm
- nominal air flow capacity at connector at 20 m/s: 814 m<sup>3</sup>/h
- max. volume air flow: 1140 m<sup>3</sup>/h
- negative pressure at connector: 2180 Pa
- max. sound pressure level: approx. 75 dB(A)
- filter surface: 5,1 m<sup>2</sup>
- filter material: dust class M, electrical conductive, washable
- chip collection volume: 135 litres
- power requirements: 400 V / 50 Hz / 3 Ph / 1,5 kW
- weight: 121 kg

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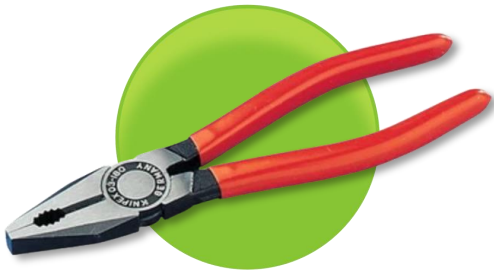


TOOLS





# Pliers / Cutters



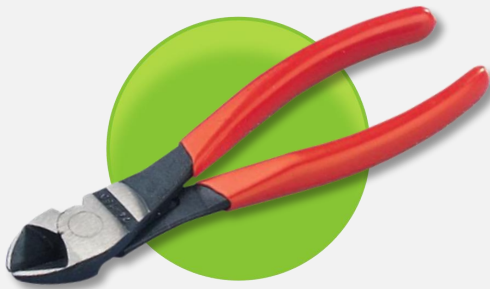
## 171P1 Combination Pliers

- special tool steel, plastic coated handles
- 160 & 180mm lengths available



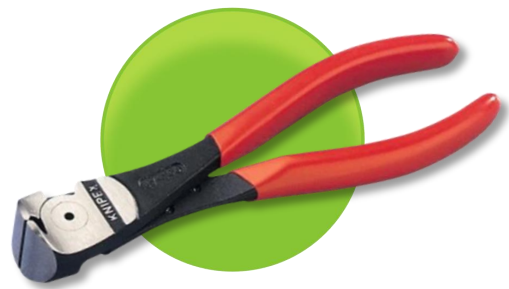
## 171P5 Angled Snipe Nose Pliers

- CV-steel, plastic coated handles, 45° angle
- 200mm length



## 171P6 Side Cutter

- CV-steel, plastic coated handles
- 160 & 180mm lengths available



## 171P7 End Cutting Nippers

- CV-steel, plastic coated handles
- 160mm length



## 171P15 Waterpump Pliers

- CV-steel, plastic coated handles
- 250mm length



## 171P10 Grip Pliers

- nickel-plated
- 250mm length

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# Punches



## 162P1 Hole Punch Set

- conical head, Ø 2 – 20 mm, 19-part in wooden stand, enamelled



## 162P6 Hole Punch Set

- Ø 1 – 20 mm, 20-part in wooden stand, stove-enamelled



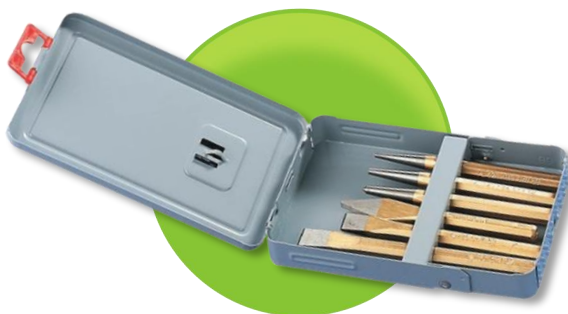
## 165P3 Revolving Hole Punch

- forged steel, plastic coated handles, w/ mini brass anvil
- replaceable hole punches: Ø 1, 5-2-2, 5-3-3, 5-4 mm
- length: 245mm



## 165P1 Revolving Hole Punch

- plastic coated handles
- mini brass anvil & hole punches: Ø 2-2, 5-3-3, 5-4-5 mm
- length: 240mm



## 172P3 Pin Punch Set

- 6 Pieces Chrome-vanadium-steel, coated, in metal case
- Pin punches: 3, 4, 5, 6, 8 and 10 mm



## 172P2 Chisel/Punch Set 6-part

- CV-steel, coated, in metal case
- 2 flat chisel, 1 centre punch, 2 pin punch, 1 cape chisel

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# Screwdrivers / Keys



## 173P4 Flat-head Screwdriver Set

- 6-part, CV-steel, comes in wooden stand
- blade widths: 3.5 - 4.0 - 5.5 - 6.5 - 8.0 - 10.0 mm

## 173P5 Philips Head Screwdriver Set

- 4-part, CV-steel, comes in wooden stand
- sizes 0, 1, 2, 3



## 173P7 Allen Key Set (metric)

- 9 parts, CV-steel, with case
- width across: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

## 173P27 Torx Key Set

- 8 pieces, chrome vanadium steel, hardened and powder-coated with ball head on one side
- TX9, TX10, TX15, TX20, TX25, TX27, TX30, TX40, TX45
- for screws with female Torx profile



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# Pneumatic Tools



## 169P65 Pneumatic Chipping Hammer

- complete with 5 different chisels and carry case
- pointed chisel: 185 mm
- flat chisel: 175 mm
- chisel for separating sheet metal: 175 mm
- chisel for cutting sheet metal: 180 mm
- chisel for removing bolts: 175 mm
- frequency: 3000 RPM
- travel of chisel: 65 mm
- chisel holder: hexagonal, 10 mm
- hose connection: brass nipple
- air consumption: 150 – 240 l/min
- work pressure: 4 – 6 bar, max. 7 bar
- weight: 1,7 kg net

## 80M13 Pneumatic Drilling Machine

- easy right-/left rotation changeover
- keyless drill chuck
- dust extraction through integrated silencer in the handle
- rotation speed: 2000 rpm
- torque: max. 10 Nm
- drill chuck clamping range: 1 – 10 mm
- air consumption: 480 l/min
- operating pressure: 6,3 bar
- capacity: 0,4 kW
- max. sound pressure level: 88,7 dB(A)
- weight: 1,0 kg



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# Pneumatic Tools



## 169P66 Pneumatic Stapler

- for upholstering, tacking, etc., for staple size 6 – 16 mm length, with plug nipple for connection to quick hose coupling
- air consumption: 0,5 litres per beat
- cartridge capacity: 155 staples
- work pressure: 3 – 6 bar
- weight: 0,900 kg net

## 169P69 Compressed Air Plaster Cast Saw

- oscillating saw
- 1 saw blade 169P69/60
- 2 fork wrenches
- plug nipple for quick hose coupling
- flexible exhaust hose, item 169P69/A only
- operation pressure: 6 bar, max. 6,2 bar
- rotation speed: 14000 rpm
- air consumption: 560 l/min
- max. cutting depth: 14,29 mm
- max. cutting width: 1,19 mm
- weight: 1 kg



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# Electric Cutters

## 80C10 EC Cutter Set



- with toothed blade
- hand grip with short blade for curves
- blade with guidance for straight cuts
- mains cable with plug and electric charger
- tool holder: approx 0.25 kg net
- length: approx. 220 mm
- power requirements: 230 V / 50 Hz (80C10), 110 V (80C10/110)

## 168P32 Cast Cutter “Oscimed 2000”

- complete with support for dust suction nozzle
- 2 circular saw blades: 1 x Ø 50 mm and 1 x Ø 65 mm
- 1 m power cord with grounded plug
- carry case
- spare shutter button for the saw blade under Item-No. 168P32/11.



## 168P29/1523 Oscillating Tool “Multimaster”



- multi purpose hand tool with various accessories for sawing, sanding and scraping
- 1 x grinding plate, 5 sanding sheets each (perforated grit 60, 80, 120, 180), 1 x solid scraper, 1 x E-Cut Long Life saw blade 10mm, 1 x E-Cut Carbide Pro saw blade 32mm, 2 x E-Cut Long Life saw blade 35mm, 2 x E-Cut Long Life saw blade 65mm, 1 x H M Saw Blade Ø 75mm, 1 x H M rasp (triangular shape), 1 x Suction device, 1 x HSS segment saw blade, 1 x Standard HSS saw blade Ø 80 mm
- plastic tool case
- power requirements: 230 V / 50 Hz / 1 Ph / 0.35
- oscillating frequency: 10000 – 19500 1/min
- 5 m power cord with grounded plug
- weight: 1.4kg

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# Protective Gloves



## 12P12 Heat Protective Gloves

- made of jersey

## 12P13 Heat Protective Gloves

- 5-finger knit gloves of 100% cotton bouclé
- ribbed hem cuff
- contact temperature up to 225°C / 480°F
- length 27 cm, 1 size fits all



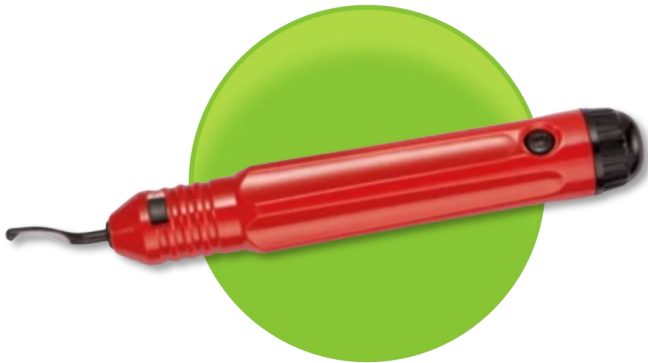
## 12P23 Disposable gloves nitrile black

- material: nitrile
- colour: black
- suitable for working with prepreg or RTV or HTV silicones
- free from natural rubber (latex)
- unsterile
- powder free
- skin-friendly
- PU = 100 pieces in a carton

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# Knives / Files



## 160P24 Deburring Knife

- adjustable with one blade
- blade holder, handle-Ø 3,2 mm
- length: 150mm

## 160P8 Leather Knife

- broad, blade adjustable inside wood handle
- length: 200 – 290mm
- spare blades available under Item-No. 160P8/E



## 160P4 Leather Knife

- skew blade
- length: 260mm

## 177P5 Warding File Set

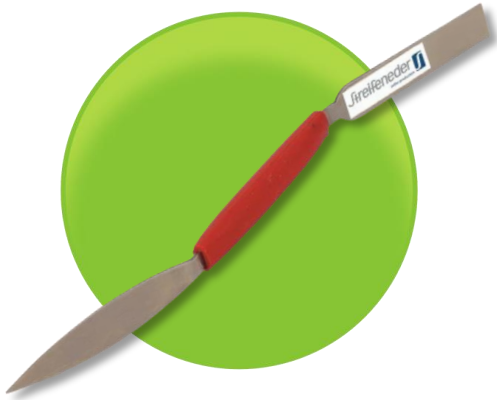
- 6 pieces in plastic case
- length: 100mm



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# Plaster Manufacture Tools

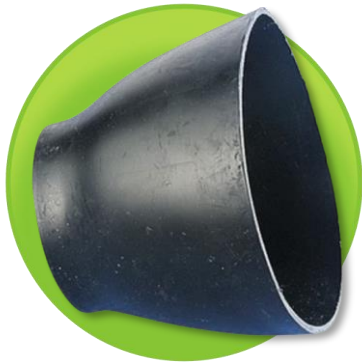


## Plaster Moulding Spatula

- one side rectangular
- plastic coated handle

## Plaster Trowel

- stainless steel, with wooden handle
- available in 40mm & 50mm widths

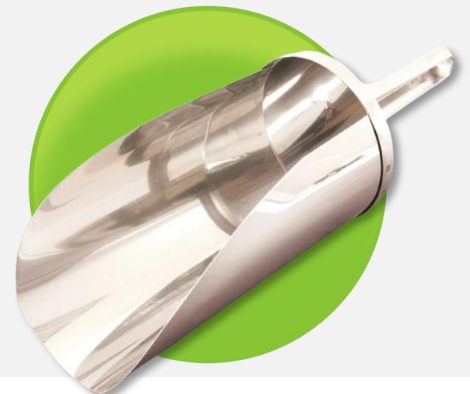


## Mixing Bowl

- made of rubber

## Plaster Scoop

- stainless steel, Ø 100 mm, capacity 850 ml



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# Silicone Tools



## 166P24 Modelling Spatula

- made of plastic material
- to gently remove HTV-silicone residue from mechanical and electronical silicone rollers / calenders
- perfectly suitable for modelling plaster, wax, plasticine and silicone
- length ~200mm

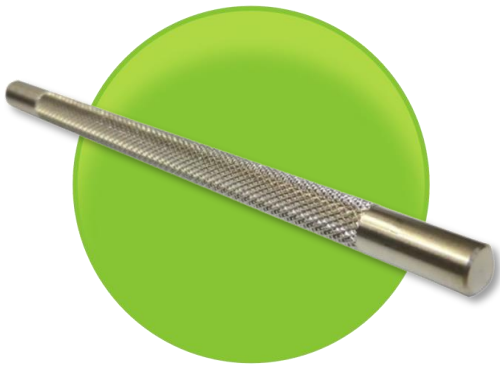
## 50E3 Processing Roller

- conical
- for processing of moldable silicones



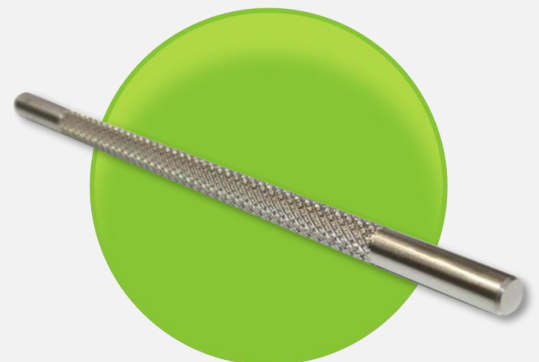
## 50E15 Processing Roller

- cylindrical
- for processing of moldable silicones
- length: 150mm
- diameter: 8mm



## 50E16 Processing Roller

- cylindrical
- for processing of moldable silicones
- length: 120mm
- diameter: 5mm

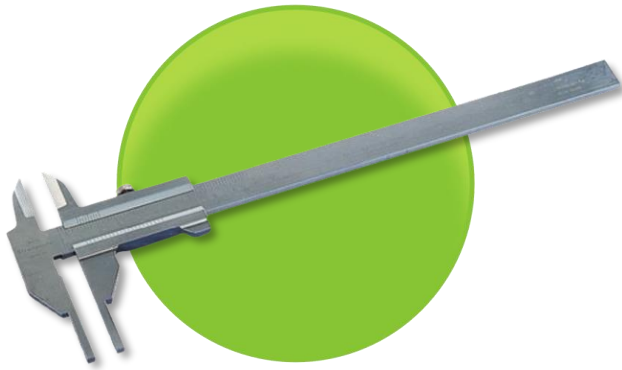


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# Calipers



## 163P19 Vernier Caliper

- vernier scale 1/20 mm, extra long jaws
- measuring range: 200mm

## 163P16 Hip Compass

- "mm" and "inch" calibration
- measuring range: 500 mm / 20 inches



## 163P4 Outside Caliper

- length: 150mm

## 163P17 Bow Caliper

- measuring range: 120mm

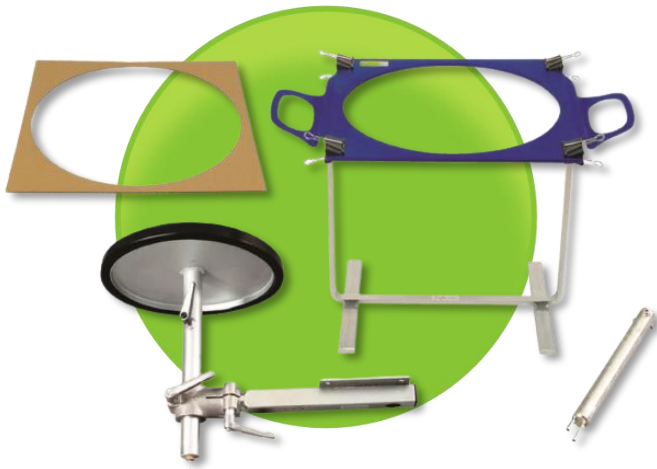


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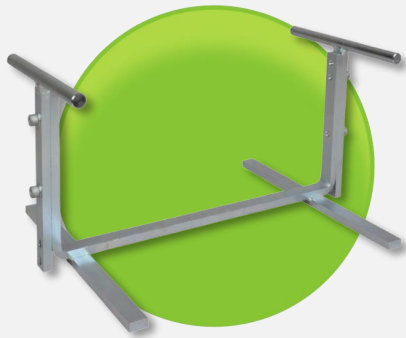
# Deep-Drawing Tools

## 168P7 Deep-Drawing Tool Set



### • consisting of:

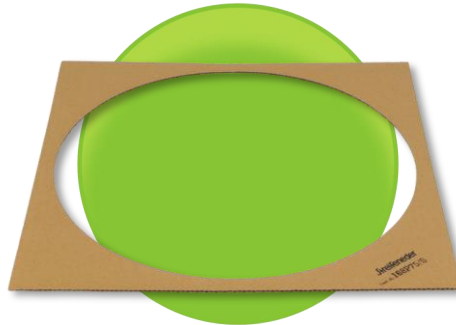
- 168P75: deep-drawing frame, inner Ø 360 mm
- 168P75/S: non-stick jig (PU = 20 pieces)
- 168P76/H: base for deep-drawing frame
- 168P77: suction pipe with disc, Ø 360 mm
- 168P78: two-way suction pipe
- 168P79: holder with angled clamp piece



### **168P75**

deep-drawing frame,  
inner Ø 360 mm

- Aluminum body, fits material thickness up to 20mm



### **168P75/S**

non-stick jig, 20 pieces

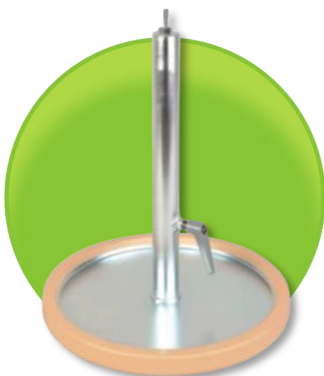
- non-stick function between heated plastics and frame



### **168P76/H**

base for deep-drawing frame

- height-adjustable steel frame



### **168P77**

suction pipe with disc, Ø 360 mm

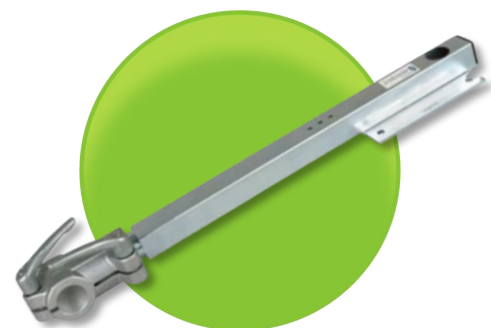
- with 6mm hose connection



### **168P78**

two-way suction pipe

- with Ø 8 mm hose connection



### **168P79**

holder with angled clamp piece

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# Iron Tools



## 164P15 Shoemaker's Anvil

- cast iron, galvanized
- weight: 2kg

## 165P6(1,2,3) Contouring Iron

- CV-steel, square edge
- 250mm length
- 3 mouth width options:
  - 165P60: 4 + 6mm
  - 165P60: 6 + 8mm
  - 165P60: 7 + 9 mm



## 165P6(4,5,6) Contouring Iron

- CV-steel, round edge
- 265mm length
- 3 mouth width options:
  - 165P60: 4 + 6mm
  - 165P60: 6 + 8mm
  - 165P60: 7 + 9 mm

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# Assorted Tools



## 170P5 Rubber Mallet

- with wooden handle
- Ø Head: 65mm

## 140M14 Spring Balancer

- for vertical fixation of the filling funnel during lamination tasks
- load capacity: 0.5 – 1.5 kg



## 164P21 Screw Clamp

- cast iron clamp arm
- wooden handle
- steel slide rail
- 6 Span x Outreach options:
  - 160 x 80mm
  - 200 x 100mm
  - 250 x 120mm
  - 300 x 140mm
  - 400 x 175mm
  - 500 x 120mm

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