



### VARIABLE SPEED

The speed is shown digitally on the display. The base speed can be infinitely adjusted between 50 and 600 rpm. The speed can also be changed during the working cycle.

### WATER

The automatically switched basin rinsing is cooling the working wheel and cleaning the basin during the entire working process.

The rinsing tap can be pulled out with the hose extension. Optimum distribution of water can be reached by swinging the tap left and right across the diameter of the working wheel.

Grinder and polisher



## Saphir 550 | Rubin 540

The SAPHIR 550 with RUBIN 540 is a single wheel grinder and polisher for working wheels Ø 200–300 mm. The especially strong, speed controlled drive allows the strongest pressures. The clearly arranged and robust menu display enables user friendly operation. The parallel grinding unit of the Rubin 540 moves the exposed sample holder in clockwise/anticlockwise rotation

with variable speed across the working area. Pressing down the samples just by their own weight ensures a gentle preparation of pressure-sensitive and delicate specimen.

The shock-resistant plastic basin, powder coated Aluminium housing and high standard of technology inside the unit lend the requisites for quiet and smooth running.

### BASIC MODULE

#### SAPHIR 550 | RUBIN 540



Order No.: M5600150

- » single wheel grinder/polisher with Rubin 540 head
- » variable speed
- » polishing head: clockwise/anti-clockwise rotation
- » individual sample holder design
- » cooling of working wheel and basin rinsing with interval
- » automatic water solenoid
- » basin rinsing
- » incl. splashing ring and cover
- » aluminium case, powder coated
- » impact-proof plastic bowl



Example with sample holder (accessories)

## EQUIPMENT

## POWER SUPPLY

Equipment 1

**230 V/50 Hz (1Ph/N/PE)**

Order No.: A5600047

Equipment 2

**110 V/60 Hz (1Ph/N/PE)**

Order No.: A5600048



## ACCESSORIES

## SAMPLE HOLDER



- » preparation of pressure-sensitive samples, down-pressure by own weight
- » fitting sample holder on request

## PARALLEL-GRINDING UNIT



Order No.: Z5442007

- » clamped workpiece is held parallel to the rotating grinding disc during the whole working process
- » combination also suitable for target preparation of microelectronic components (e.g. circuit-boards for general purpose)



Use with duo-sample holder/  
Easy-clamping system

## DOSING UNIT TOPAS 130



Order No.: M6300040

- » automatic dosing unit for 3x diamond suspension and 1x lubricant
- » variable dosing
- » reverse rinsing function
- » manual or automatic function

WxHxD approx. 180x240x195 mm



## POWER SUPPLY

Equipment 1

**230 V/50 Hz (1Ph/N/PE)**

Order No.: A6300001

Equipment 2

**110 V/60 Hz (1Ph/N/PE)**

Order No.: A6300002



## HOLDER FOR DOSING NOZZLES

Order No.: A6300004

- » for manual mode with Topas 130

## ACCESSORIES

## SETTLING TANK



» 2-chamber-compartment, 45 ltr.

» inlet sieve and filter bag

**for System lab cabinet  
(insertion mechanism)****referring height of System cabinet**

H 800 mm      Order No.: A5810261

H 900 mm      Order No.: A5810237

**mobile**

Order No.: A5800496

## CONNECTION SET



Order No.: Z5600009

1 drain tube	Ø 40 mm; 1.5 m
1 pressure tube	R 1/2"; 2 m
1 pressure tube	R 3/8" coupling and screw thread; 3 m

## SPECIFICATIONS

Connected load	2.3 kVA	
Power supply	1	230 V/50 Hz (1Ph/N/PE)
	2	110 V/60 Hz (1Ph/N/PE)
SAPHIR 550		
Working wheel	Ø 200 – 300 mm	
Speed base	50 – 600 rpm	

RUBIN 540	
Pressure	weight
Speed sample holder 15 – 40 rpm	
WxHxD approx.	560x 355 x 660 mm
Weight	37 kg

