

**VARIABLE SPEED**

The variable speed of the working wheel is set at the control panel of the grinding and polishing head Rubin 500.

The speed can also be changed during the working sequence.

**ELECTRONIC CONTROL**

The control panel is designed to be especially robust. All parameters can be changed at the control knob.

The logical design makes operation easy.



## Saphir 520

The SAPHIR 520 is a single wheel grinder and polisher with top-mounted grinding and polishing head Rubin 500 for working wheels Ø 200 - 250 mm.

This unit will convince you best of all through its easy operation and wide range of possibilities. Sequence time, down-pressure,

speed control, rotational direction, pneumatic lowering, single and central pressure as well as program saving and a few things more are all available.

Additionally, there are all the advantages of the Saphir 320, a machine with impressive characteristics.

**WATER**

The water supply is switched manually. The rinsing tap can be pulled out for cleaning the basin 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.



## BASIC MODULE



## SAPHIR 520



Order No.: M5630030

- » single wheel grinder/polisher with Rubini 500 head
- » single and central pressure
- » variable speed
- » electronic control with LC-Display
- » programmable memory
- » polishing head: clockwise/anti-clockwise rotation
- » pneumatic height adjustment
- » manual swivelling sideways
- » automatic water solenoid
- » basin rinsing
- » incl. splashing ring and cover
- » aluminium case, powder coated
- » impact-proof plastic bowl
- » e-Lab ready

## EQUIPMENT



## POWER SUPPLY

Equipment 1

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

Order No.: A5630005

Equipment 2

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

Order No.: A5630006

## ACCESSORIES



## 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 ~ 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.: A6300003

- » for automatic 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   | 1.8 kVA                  |
| Power supply     | 1 230 V/50 Hz (1Ph/N/PE) |
|                  | 2 110 V/60 Hz (1Ph/N/PE) |
| SAPHIR 520       |                          |
| Working wheel    | Ø 200 – 250 mm           |
| Speed            | 50 – 600 rpm             |
| RUBIN 500        |                          |
| Single pressure  | 1 – 5 samples, Ø 40 mm   |
| Central pressure | depends on sample holder |
| Speed            | 140 rpm                  |

|                  |                          |
|------------------|--------------------------|
| Pressure         | variable                 |
| Single pressure  | 5 – 100 N                |
| Central pressure | 20 – 350 N               |
| WxHxD ~          | 470 x 475 – 555 x 620 mm |
| Weight           | 52 kg                    |

