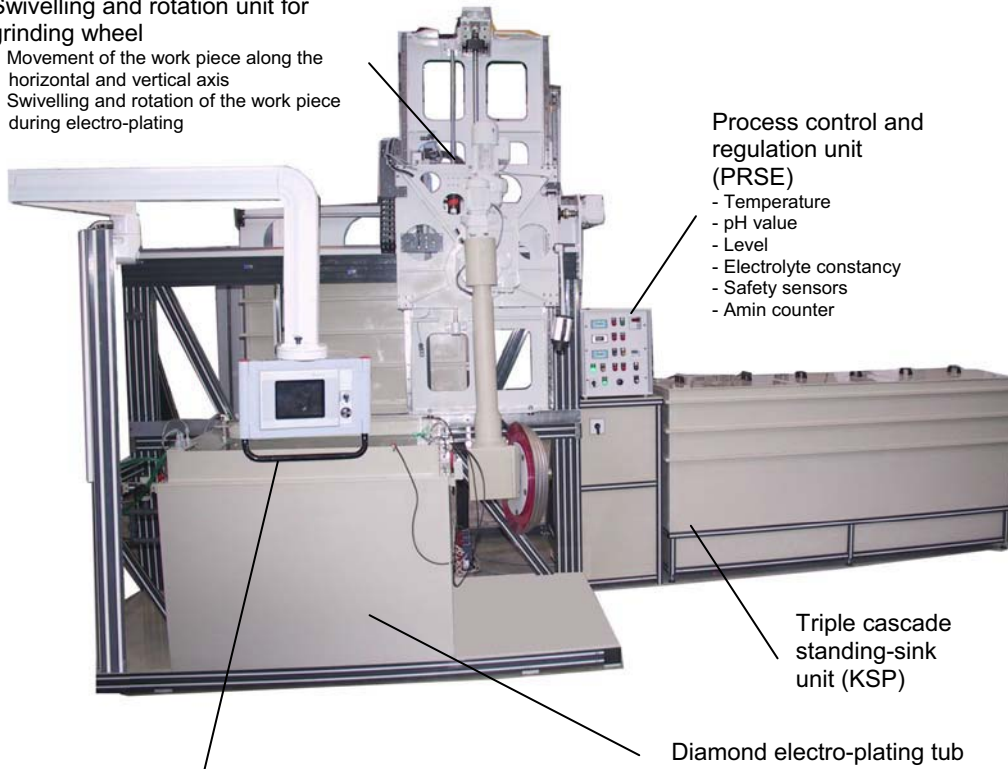


Diamond Electro-Plating Plant DBA 1-XX8

For the manufacturing of diamond and CBN electro-plated grinding wheels with a maximum outer diameter of 700 mm.

Swivelling and rotation unit for grinding wheel

- Movement of the work piece along the horizontal and vertical axis
- Swivelling and rotation of the work piece during electro-plating



Process control and regulation unit (PRSE)

- Temperature
- pH value
- Level
- Electrolyte constancy
- Safety sensors
- Amin counter

Triple cascade standing-sink unit (KSP)

Diamond electro-plating tub

Touch screen-operator's terminal for:

- control of all axis movements
- Level regulation of the electro-plating tub and control of the rinsing pumps
- Input of the operation parameters of the diamond electro-plating control (DBS)
- Control of the electro-plating process:
 - * Current
 - * Voltage
 - * Leak current
 - * Timing

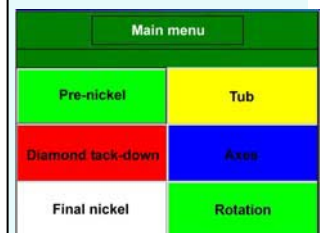
Type of plant	Max. wheel dimensions	Max. support capacity of the swivelling and rotation unit
DBA 1-508	Ø 500 x 100	150 kg
DBA 1-608	Ø 600 x 100	220 kg
DBA 1-708	Ø 700 x 100	300 kg
Technical data:	<ul style="list-style-type: none"> - Swivel area 90° (±45°) - Rotation permanent and continuously variable from 1 – 10 rpm - Rotation: continuous or interval controlled - Movement speed of axes adjustable by a frequency inverter - Pneumatic crash protection - Selectable rotation direction - Lifting and lowering of the electrolyte level in the electro-plating tub is possible due to an electrolyte storage tank - Pre-nickel, diamond tack-down and final nickel plating are done in one electro-plating tub. 	



Grinding wheel mounted to swivelling and rotation unit.



Touch screen operators' terminal



Display examples of Touch screen operators' terminal. The displays and operating functions may be individually programmed according to the customer's specifications and in various languages.

