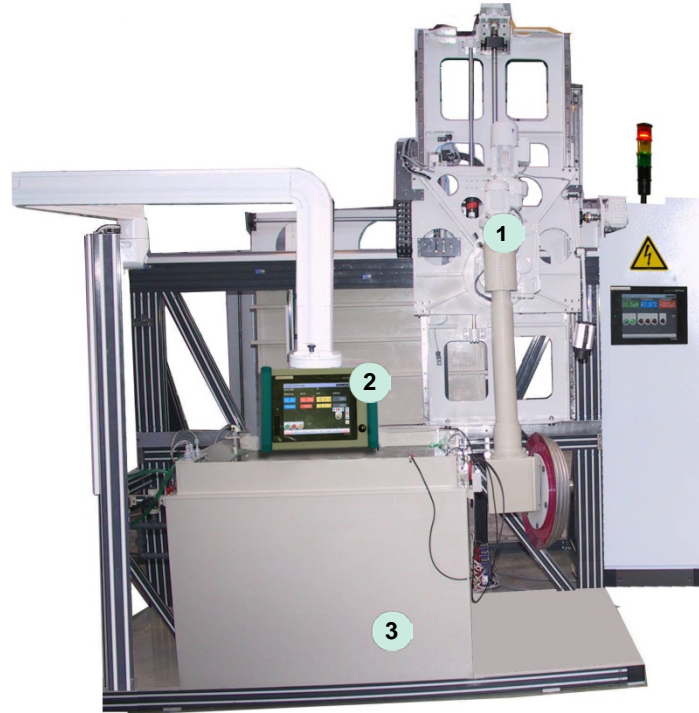


## Diamond Electro-Plating Plant DBA 1-808/809

For manufacturing diamond and CBN electro-plated grinding wheels with a maximum outer diameter of 800 mm.



1. Swivel and rotation unit for grinding wheel
  - Movement of the work piece along the horizontal and vertical axis
  - Swiveling and rotation of the work piece during electro-plating
2. 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
3. Diamond electro-plating tank

	Type of system		Max. load capacity of swivel and rotation unit
	DBA 1-808	DBA 1-809	
Max. wheel dimensions	Ø 500 x 250 mm	Ø 500 x 350 mm	320 kg
	Ø 600 x 200 mm	Ø 600 x 300 mm	
	Ø 700 x 150 mm	Ø 700 x 250 mm	
	Ø 800 x 120 mm	Ø 800 x 220 mm	

## Technical data:

- Swivel area 90° (± 45°) continuous
- Rotation permanent and continuously adjustable from min. 1 turn/240, max. 5 rpm
- Rotation: permanent or interval controlled
- Movement speed of axes adjustable through frequency inverter
- Pneumatic crash protection
- Selectable rotation direction
- Raising and lowering of electrolyte level in the plating tank possible with electrolyte compensation tank
- Pre-nickel, diamond tackdown and finish nickel plating are done in one tank.



Grinding wheel mounted to swivel and rotation unit



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.