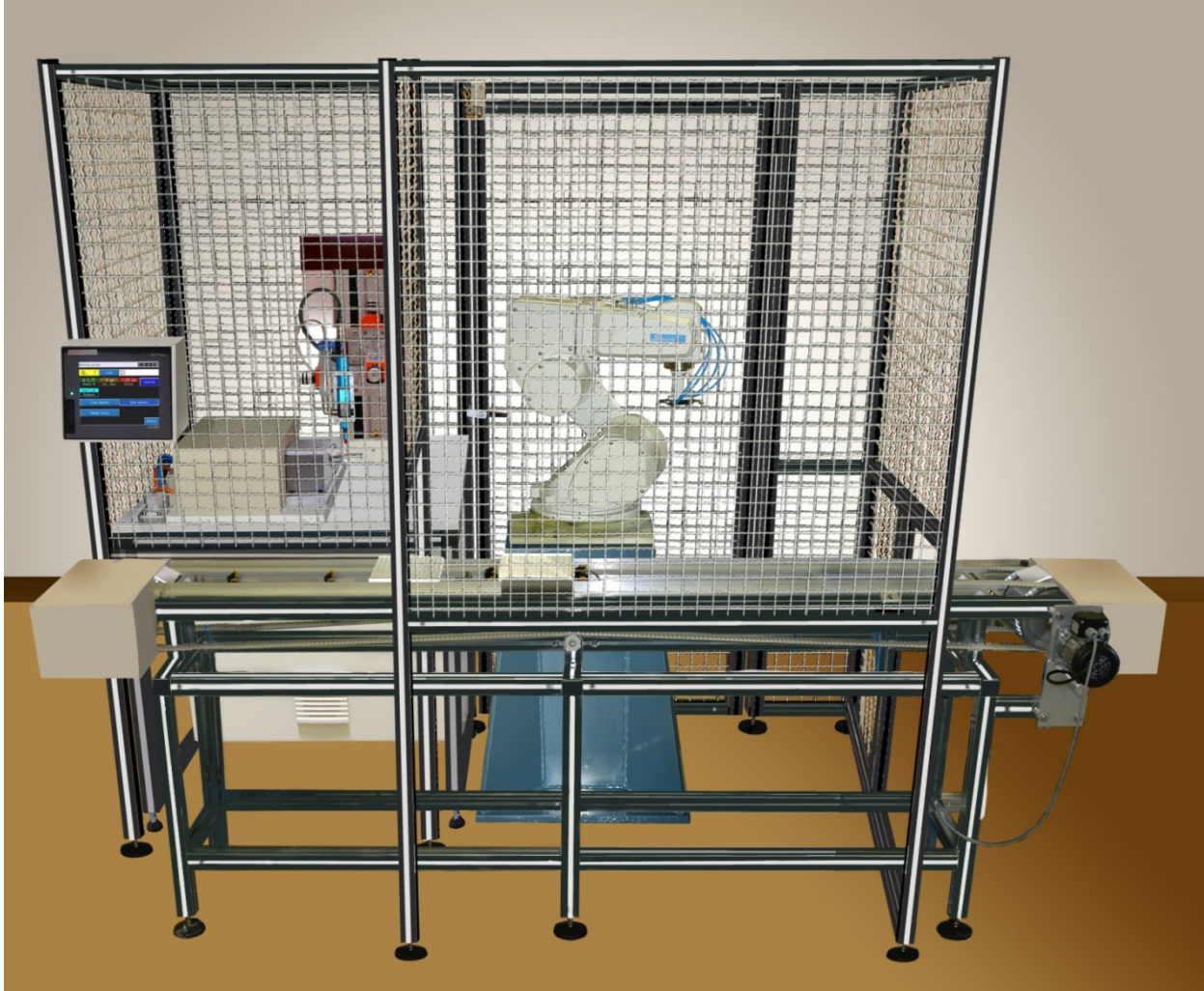


Fully Automatic Colour-Ring Coding System FCA 1-D45/002

For colour-ring coding of implant drills, milling cutters, grinding pins and / or diamond dental burrs (Types FG, H and RA).



Note: All illustrations are examples. The product may vary from the illustrations.

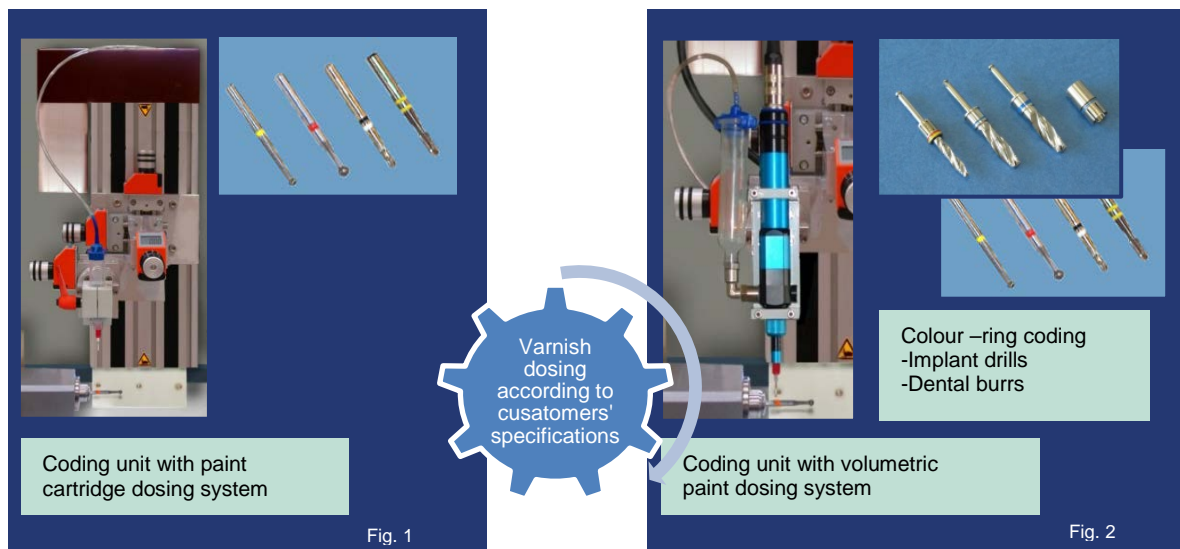
Basic equipment

- Fully automatic colour-ring coding unit with 6-axes bent-arm robot
- Parts supply by pallets / active accumulation line (different pallet sizes available on request)
- Single axis linear guide
- PLC controller
- Storage media: Program memory 120 kByte, interface: USB
- Touch screen operator's terminal 8,4"
- Varnish dosing by pressure or volumetric dosing system
- Holding frame welded of aluminium profiles and baking enamelled
- Headstock with collet holding fixture and pneumatic tension unit
- Motor for headstock, rotation speed continuously adjustable by PLC.
- Main control with switch box
- Safety housing incl. safety interrupter

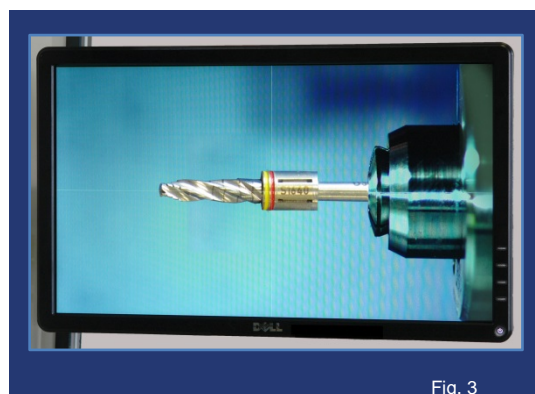
Technical Data	
Clamping diameter:	1.6 / 2.35 / 3 / 4 / 5 / 6 / 8 / 10 mm (other diameters available on request)
Clamping depth:	min. 4 mm
Varnishing range:	With one freely programmable axis: varnishing zone according to program
Varnishing capacity:	Colour-ring coding approx. 10 - 15 pcs/min (one or two-component varnish)
Note:	All information given depends on operator and quality and precision of blank, and may therefore vary.
Mandrel speed:	max. 1000 rpm
Air pressure:	5 ... 7 bar, oil-free, dry
Power connection:	230 V, 50 Hz
System dimensions:	L x W x H approx. 2490 x 1280 x 2000 mm

Optional expansions FCA 1-D45/002

- Varnish dosing incl. pressure-regulation valve for varnish cartridges 5, 10, 30 and 55 cc. (Fig. 1)
- Volumetric dosing system for precision application of varnish. (Fig. 2)



- Change of power ratings to 120 V, 60 Hz
- Camera and monitor for visual check of varnishing (Fig. 3)



- Enlargement of head stock fixture up to collet Ø- 32mm and increase of robot support capacity
- GSM module to report malfunctions to an external cell phone (SIM card for a cell phone network is required)
- Expansion of 6-station linear transport unit by a further 6 pallets (length: approx. 1500mm)
- Docking station for stacking magazine
- Stacking magazine for pallet pre-disposition for blanks/ uncoded milling cutters (displaceable)