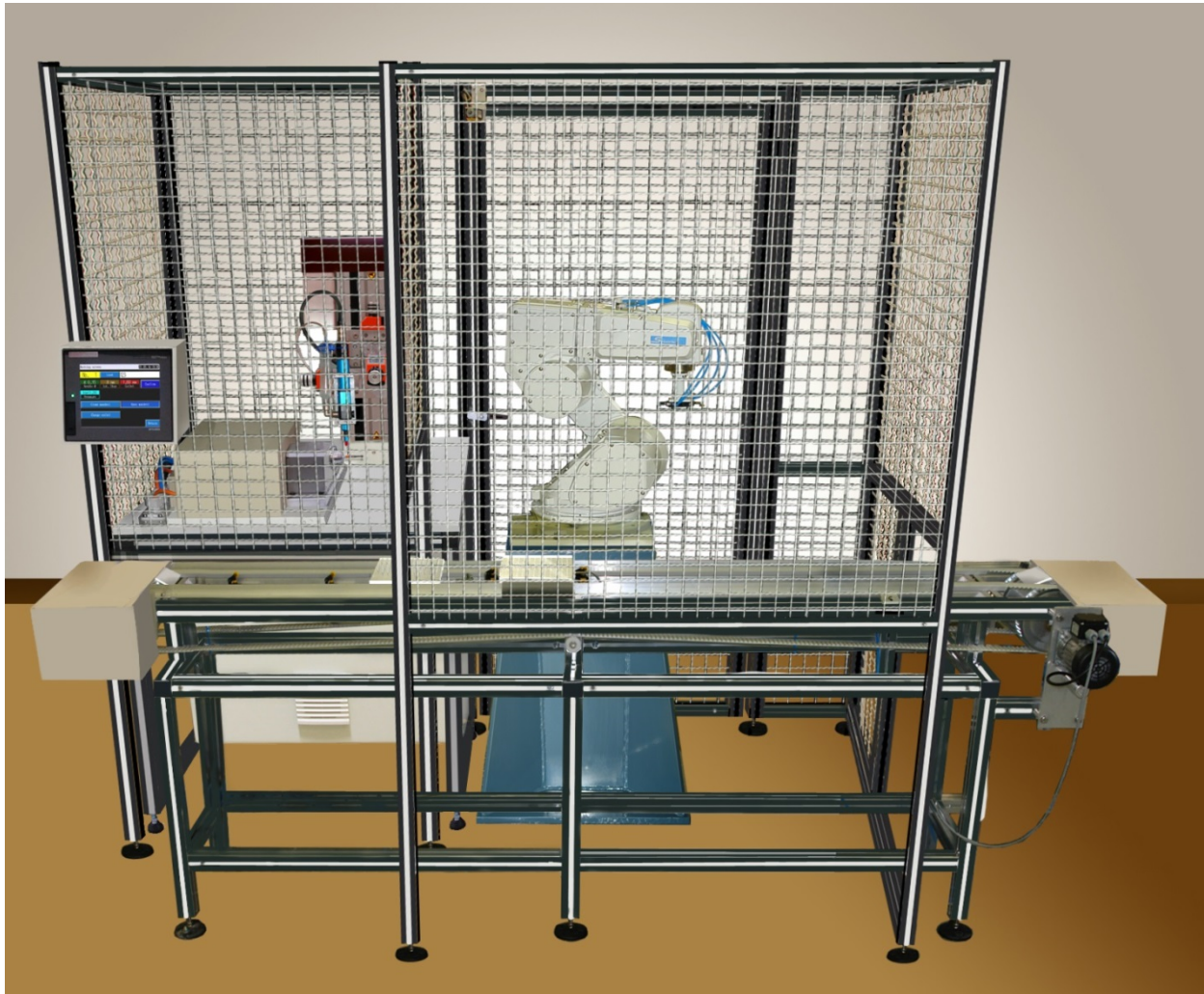


## 全自动色环编码系统 FCA 1-D45/002

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

用于种植体钻头，铣刀，磨棒和/或者金刚石牙钻( 类型 FG, H 和 RA)

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



注：所有图片均是示例，实际产品可能与图片有差别。

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

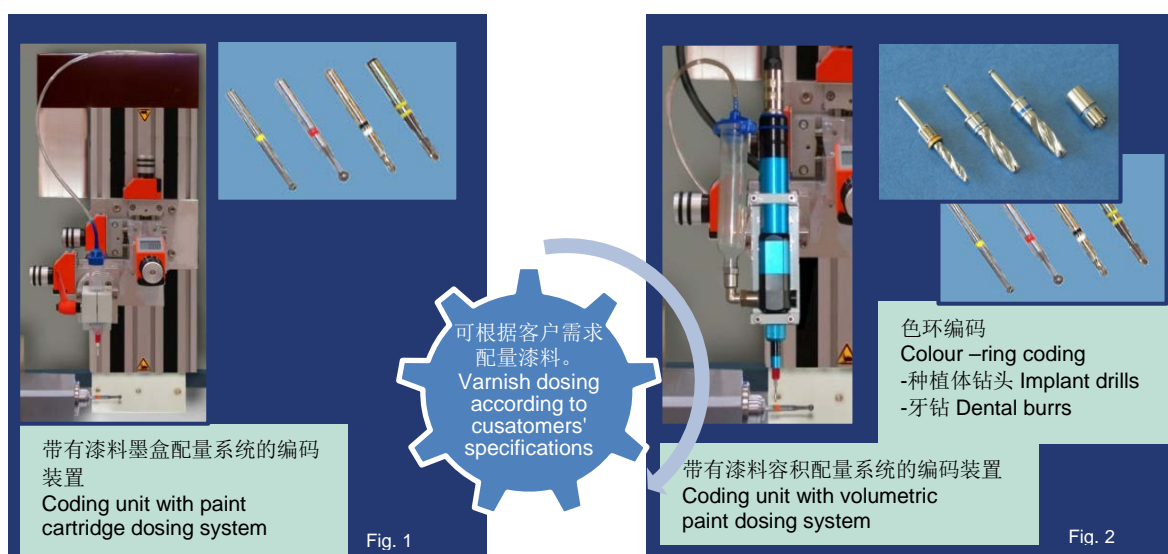
### 基本设备 Basic equipment

- 带有 6 轴曲臂机器人的全自动色环编码装置  
Fully automatic colour-ring coding unit with 6-axes bent-arm robot
- 通过托盘/手动装载和卸载站进行零部件供应（可应要求提供不同尺寸的托盘）  
Parts supply by pallets / active accumulation line (different pallet sizes available on request)
- 单轴线性导轨 Single axis linear guide
- PLC 控制 PLC controller
- 储存媒介：程序内存 120 kByte，接口 USB Storage media: Program memory 120 kByte, interface: USB
- 终端操作触摸屏 8,4 寸 Touch screen operator's terminal 8,4"
- 通过压力或者容积配量系统配量漆料 Varnish dosing by pressure or volumetric dosing system
- 由烤漆铝型材制成的框架 Holding frame welded of aluminium profiles and baking enamelled
- 主轴承带有夹头固定装置和气动张紧装置 Headstock with collet holding fixture and pneumatic tension unit
- 主轴承电动机，通过 PLC 可持续调控转速 Motor for headstock, rotation speed continuously adjustable by PLC.
- 主控制开关盒 Main control with switch box
- 安全围栏包括安全开关 Safety housing incl. safety interrupter

技术数据 Technical Data	
夹持直径 Clamping diameter:	1.6 / 2.35 / 3 / 4 / 5 / 6 / 8 / 10 毫米(可应要求提供其他尺寸) 1.6 / 2.35 / 3 / 4 / 5 / 6 / 8 / 10 mm (other diameters available on request)
夹持深度 Clamping depth:	至少 4毫米 min. 4 mm
上漆范围 Varnishing range:	带有一个可自由编程的轴: 按照程序确定上漆区 With one freely programmable axis: varnishing zone according to program
上漆能力 Varnishing capacity:	色环生产:约10 - 15个/分钟 (单组份或双组份漆料) <b>Colour-ring coding</b> approx.10 - 15 pcs/min (one or two-component varnish)
<b>注:Note:</b>	所有提供的数据与操作员, 质量和毛坯的精度有关并可能因此产生差异 All information given depends on operator and quality and precision of blank, and may therefore vary.
心轴转速 Mandrel speed:	最大 1000 转/分钟 max. 1000 rpm
气压 Air pressure:	5 ...7 巴, 无油, 干燥 5 ... 7 bar, oil-free, dry
连接电源 Power connection:	230 伏, 50 赫兹 230 V, 50 Hz
设备规格 System dimensions:	长x宽x高约为2100 x1450 x1800毫米 L x W x H approx. 2490 x 1280 x 2000 mm

### 可选性扩展 FCA 1-D45/002 Optional expansions FCA 1-D45/002

- 漆料配量, 包括 用于5, 10, 30 和 55cc 漆料墨盒的压力控制阀。(图 1)  
Varnish dosing incl. pressure-regulation valve for varnish cartridges 5, 10, 30 and 55 cc. (Fig. 1)
- 用于精确配量的容积配量系统。(图2)  
Volumetric dosing system for precision application of varnish. (Fig. 2)



- 可更改电流接入值为120伏, 60赫兹 Change of power ratings to 120 V, 60 Hz
- 用于目视检测上漆的摄像头和显示屏(图3) Camera and monitor for visual check of varnishing (Fig. 3)



- 主轴承可扩大至固定直径为32毫米的夹头以及增加机器人承载能力  
**Enlargement of head stock fixture up to collet Ø- 32mm and increase of robot support capacity**
- GSM模块报告故障至外部的移动电话(须配有SIM卡移动电话网络)  
**GSM module to report malfunctions to an external cell phone (SIM card for a cell phone network is required)**
- 通过安装另外6个托盘可将线性运输装置扩展至6个工作站(长度:大约1500毫米)  
**Expansion of 6-station linear transport unit by a further 6 pallets ( length: approx. 1500mm)**
- 放置存放架的转接坞Docking station for stacking magazine
- 存放架, 用于将毛坯件和未被编码的铣刀放到托盘上 (可移动)  
**Stacking magazine for pallet pre-disposition for blanks/ uncoded milling cutters (displaceable)**