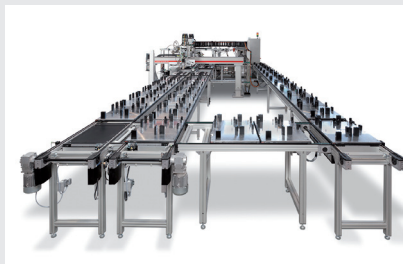
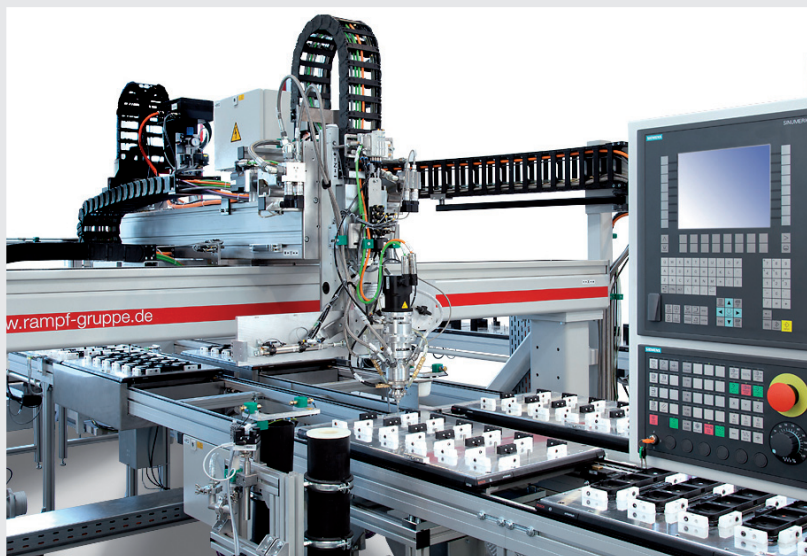
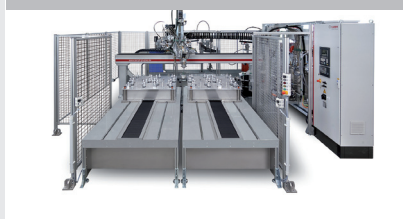


Product Information Dispensing Robot DR-CNC

Highest Flexibility – dynamic Sealing, Casting and Bonding

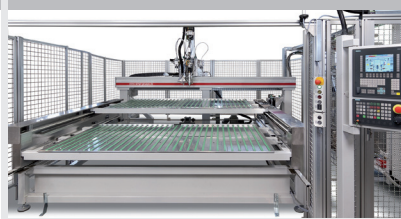


DR-CNC with conveyor system



DR-CNC with side by side dual shuttle table

Mixing system with plasma nozzle



DR-CNC with over-under dual shuttle table

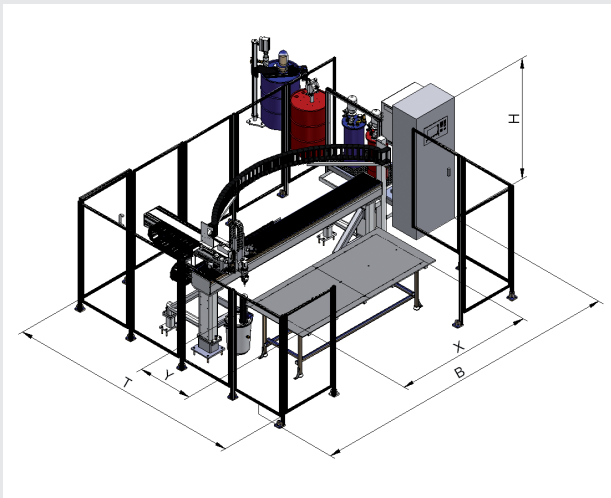
Your advantages

- > **RAMPF High-speed axis**
 - Steel/aluminum axis with maintenance-free linear-motion ball bearings for extended lifetime
 - Rack-and-pinion drive
 - Maintenance-free servo-drives
- > **Accurate metering**
 - High precision servo-driven gear metering pumps for up to 4 components
 - Short hoses between metering pumps and mixing head for highest precision
- > **8" colour display with PC**
 - Easy process overview through extensive process visualisation
 - Unique material database to allow easy and flexible programming
- > **Highest productivity**
 - Increased productivity through optional dual mixing system
 - High travel speed during dispensing
- > **Integrated process monitoring**
 - Permanent monitoring of pressures, pump speeds and material levels

Dispensing Robot DR-CNC

Product Details

The DR-CNC is the ideal solution for all complex applications. Variable X-Y-Z strokes enable three-dimensional dispensing of sealants, adhesives or encapsulants. The DR-CNC is equipped with the highest standards in NC technology to control the dispensing process with the motion speed of the CNC-axis. The result: best teamwork between metering process and motion axis. The modular architecture of the NC allows for simple and entire integration in existing production control systems.



Work areas (details see chart)

| X-Axis | | Y-Axis | | Z-Axis | |
|----------|--------|----------|--------|----------|--------|
| X-stroke | Size B | Y-stroke | Size T | Z-stroke | Size H |
| 500 | 1,630 | 500 | 1,920 | 300 | 2,200 |
| 750 | 1,880 | 750 | 2,420 | 500 | 2,400 |
| 1,000 | 2,280 | 1,000 | 2,930 | | |
| 1,500 | 2,780 | 1,250 | 3,430 | | |
| 2,500 | 3,760 | | | | |
| 3,000 | 4,600 | | | | |
| 3,650 | 5,300 | | | | |
| 5,000 | 7,000 | | | | |

Technical Data (subject to change)

| | |
|---|--------------------------------------|
| Dispensing capacity, Mixing ratio, Number of components, etc. | Depending on installed mixing system |
| Maximum travel speed | x,y = 60 m/min.; z = 24 m/min. |
| Repeatability | < 0.15 mm (ISO 9283) |
| NC controls | Siemens Sinumerik 840D SL |
| Dispensing programs | 99 |
| Power supply | 400 V / 16-32A / 50Hz (60 Hz) |
| Power consumption | 5.5-12 kw |
| Compressed air supply | > 5 bar at max. 800 l/min. |
| Compressed air consumption | 5-20 l/min. |

4-2-002GB. Errors excepted. Subject to change.

Options (more on request)

- > High-pressure rinse recycling system or high-pressure water rinsing
- > Nucleation controller for density control of foam materials
- > Material recirculation with temperature control
- > Automatic thin-film degassing for bubble-free casting
- > Various types of automation equipment available
- > Customized production and process data monitoring and production data collection
- > 12" colour display, customized interfaces
- > Gantry axis for bigger work area
- > Up to 5 material components