

flexLoad AUTOMATION SYSTEM

A HIGHLY PRODUCTIVE PART-LOADING SOLUTION FOR AUTOMATED CYLINDRICAL GRINDING



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Boost Grinding Productivity with Fully Integrated Automation Design

- Dedicated side-door access for both O.D. and I.D. systems
- Standard coolant drip pans, dual pneumatic grippers and integrated end-of-arm tooling/sensors, plus additional options

Keep Operations Running Smoothly with Advanced Safety Features

- Drawers, panels, and doors are interconnected, only unlocking with operator permission.
- Flanged side door between machine and robot prevents operator injury

See Big Results From Your Automation Investment

- Save more than \$1.5 million in labor costs and nearly \$500,000 in recovered productivity

Hardware

- Fully integrated FANUC LR Mate 200iD 6-axis robot
- Sheet metal and lexan enclosure with dedicated side-door access
- Three tray/loading drawers for longer unmanned operation and SPC
- Optional part/fixture blow-off nozzles
- Designed for STUDER models, including S31, S33, S41, S110, S120, S121, and S122
- Compatible with the favorit



Dimensions

- Max. part length: 11.8" (300 mm) Min. grip diameter: 0.16" (4 mm)
- Min. part length: 0.8" (20 mm) Max. workpiece weight: 11 lbs (5 kg)
- Max. grip diameter: 3.0" (75 mm) Footprint: 58" x 40" (1,480 v 1,000 mm)

