

ARMROID Next-Gen Robot System



ARMROID when stored

① Revolutionary and reassuring applications support delivers high added-value benefits

- ARMROID does the chip discharge, workpiece support, etc
- During operations, ARMROID helps with machining and cleaning
- Operations also revived after intermittent stoppages with a few simple moves

② Auto Robot Cells are easy to set up

- It's possible to build robotic cells well coordinated with the way a standalone machine moves
- Overtime jobs can be reduced — in support of 'work style' reforms

③ Innovative robot operating

- Getting started and operating right away without teaching, robot integrators, or special skills is easy
- Easy inputs of program commands with just travel destination coordinates let the robot automatically configure collision-free routes

ARMROID is built in the work chamber

① ARMROID's support is reassuring and high value-adding Couldn't be done until now — built in and works during cutting

- Prevents chip tangling and achieves stable operations
Mixed blasting from the arm end (simultaneous coolant/air) prevents chips from getting tangled.
- Chip accumulation in the machine eliminated
- Robot assist suppresses chattering to maintain stable machining operations

Mixed blasting from the arm end ▶



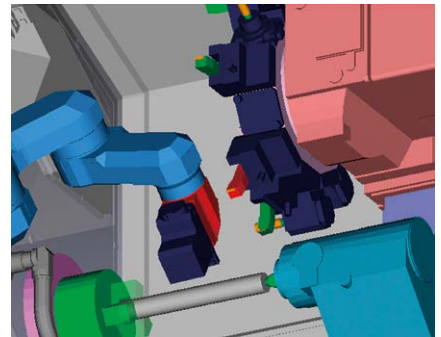
② Auto Robot Cell applications easy to setup

- Simply install a workpiece stacker to switch from standalone to robotic cell
Operators can manually load/unload small batch parts during the day, then automated robot cells takeover during the night shift for mass production.



With mobile workpiece stacker installed

Auto Robot Cell



3D simulation to check collisions in advance

③ Innovative robot operating — without teaching or robot integrators

- OSP CNC-like easy operating
- "Teaching-less" collision avoidance motions
- OSP screen simulated robot motions
- System integrators also not required

OPEN POSSIBILITIES

OKUMA Corporation

Oguchi-cho, Niwa-gun, Aichi 480-0193, Japan
Tel: +81-587-95-7825 Fax: +81-587-95-6074

