Achieved High-quality Polishing by Robotization of Polishing Operations

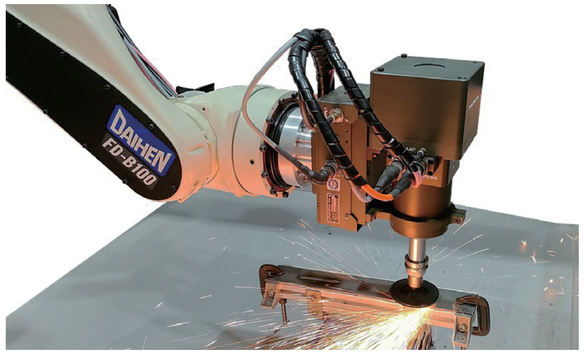
Polishing Robot System

Problems at the polishing work site

- Lack of manpower without fixing young workers
- The finish changes depending on the worker and the quality is unstable

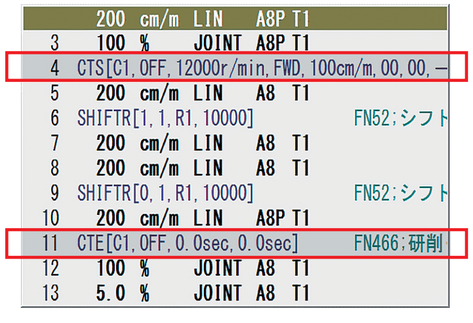
Grinding robot contributes to productivity improvement

- Load control provides a stable finish with uniform polishing marks
- Automation from roughing to finishing with a single robot



Equipped with dedicated command for grinding and polishing

- Simple input of machining conditions from the teach pendant with numerical values (pressing force, spindle rotation speed, etc.)



Teaching screen

Grinding condition setting

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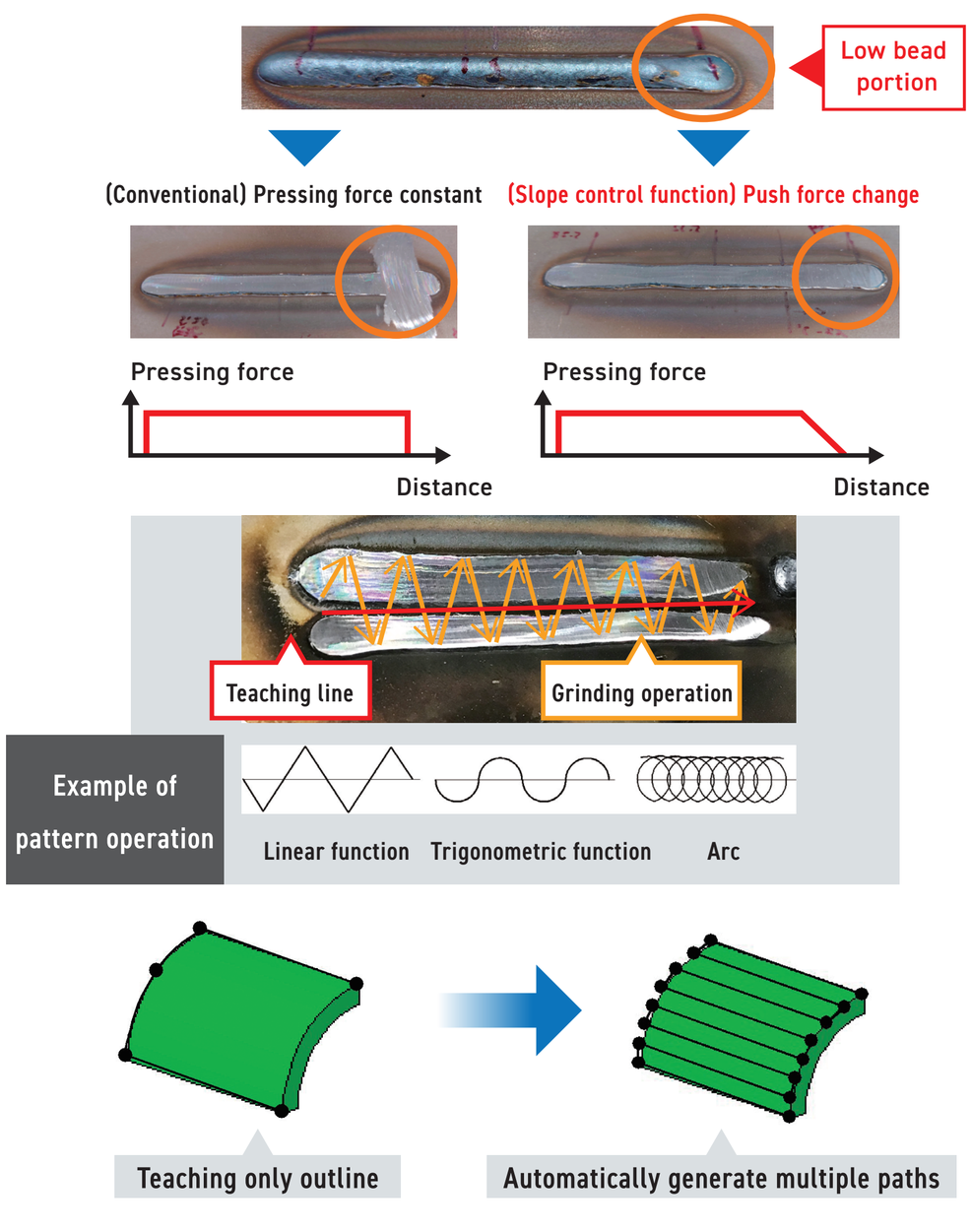
Uniform finish with slope control

- Push force and rotational speed can be changed gradually
- Adjustable and uniform polishing according to bead shape



Shorten teaching time with pattern operation function

- Teach how to move a grinder in a zigzag or circular arc
- Simple teaching by simply setting the stitch width and pattern operation

Automatic generation of multiple paths for planes and curved surfaces

- Multiple paths are automatically generated by only teaching the outline and specifying the pitch.
- Can reduce teaching time for grinding flat surfaces