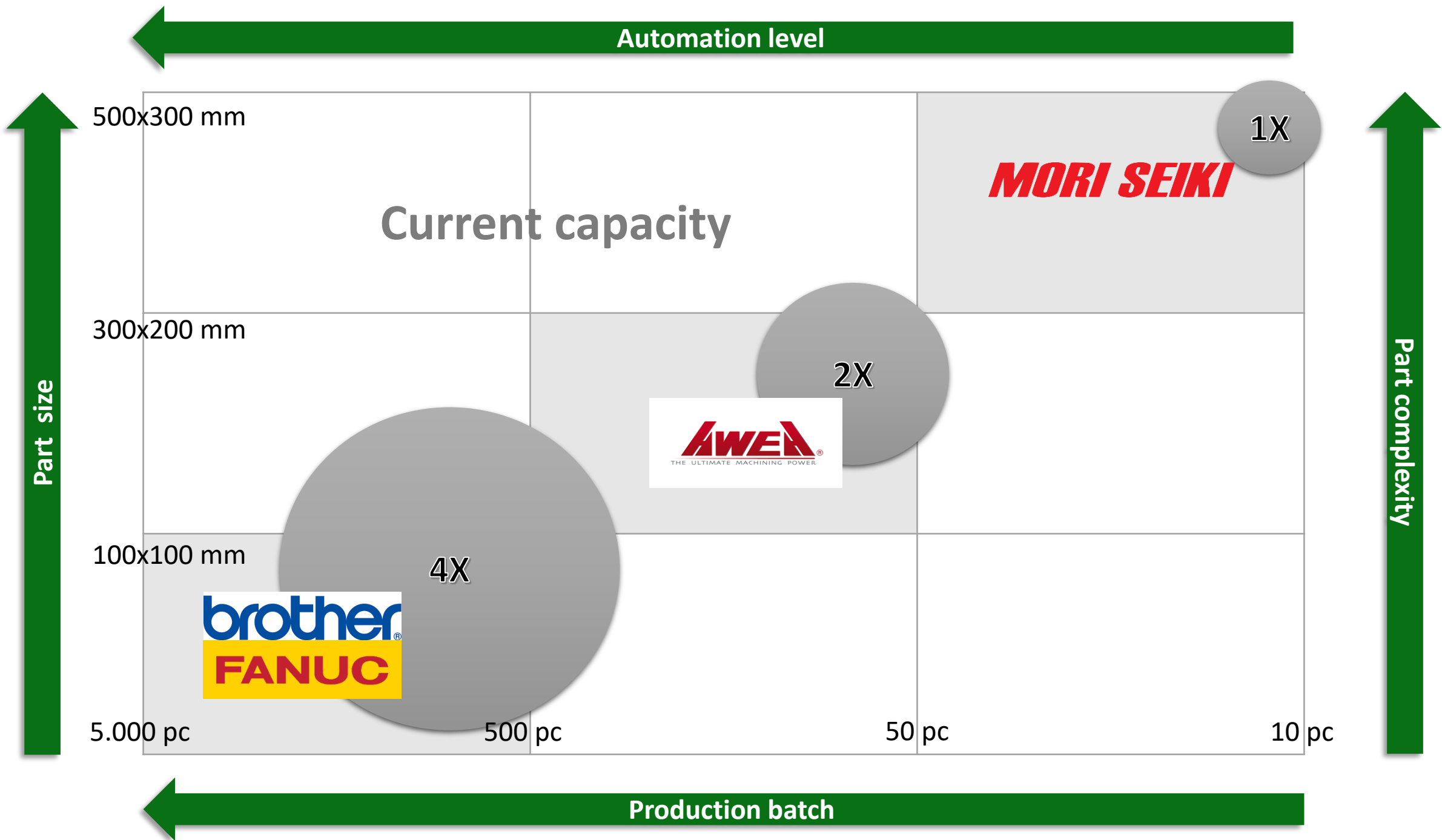


# Robotic milling

We now offer automatic solution for every size and kind of parts:

- ✓ Small size : specialized loading robots
  - High volume production
- ✓ Medium size : universal, vice change, loading robots
  - Medium volume production
- ✓ Large size : pallet exchange systems
  - Low volume production





## Small size parts / high volume (4 machines)

Compact 5-axis milling machines from:

**brother**

&

**FANUC**

- Optimal workpiece size up to 100x100 mm
- MOQ of 500 pc (3 shifts)
- Milling + **turning** with speeds up to 18.000 RPM
- Precision machining for tolerances up to IT6
- Materials: steel, aluminum, titanium, stainless steel, brass
- Specialized robotic workpiece loading systems using pre-cut materials



## Medium size parts / medium volume (2 machines)

High performance 5-axis machining centers from:



- Optimal workpiece size up to  $\varnothing 300 \times 200$  mm
- MOQ of 50 pc (2 shifts)
- Speeds up to 12.000 RPM
- Precision machining for tolerances up to IT6
- Materials: steel, aluminum, titanium, stainless steel, brass
- Universal robotic workpiece loading system using pre-set vices



## Large size parts / low volume (1 machine)

High-end horizontal milling machine from:

***MORI SEIKI***

- Optimal workpiece size up to 500x300 mm
- MOQ of 10 pc (2 shifts)
- Speeds up to 12.000 RPM
- Precision machining for tolerances up to IT6
- Materials: steel, aluminum, titanium, stainless steel, brass
- Pallet exchange system for automatic and rapid part change





