

Realized Stable High-Speed Machining & Environmental Performance Together

Broach Transfer Type, Mechanical-Vertical 50kN Broaching Machine

NBV-MA series

The NBV-MA-series is a mechanical-vertical broaching machine which has been developed based on the hydraulic type NBV-series with high reliability. The running cost has been reduced without hydraulic devices, and the environmental performance has been improved. The efficient productivity has been realized with high-versatile pulling force.

High-Speed & Stable Machining by Servo-Motor

- 2.3x Machining Speed
(6m/min → 15m/min, Ram ADV-RET time reduced: 14sec. → 6sec.)
- Cutting Vibration Reduced with Ball Screw

Simple & Easy Change-over

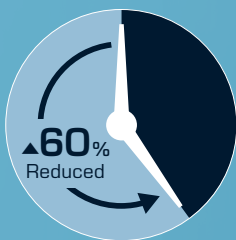
- It is able to set the broach length (range: 300mm) and the ram stroke just on the touch panel easily because the broach lifter and the ram are driven by servo motors.

Clean•Energy Saving•Space Saving

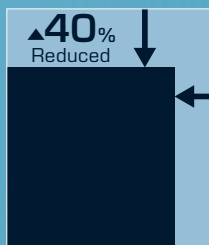
- Easy Maintenance by Reducing M/C Components
- 40%-Reduced Space Compared to NACHI's Conventional M/C's
- Clean Operativity without Hydraulic Devices, Lower Running Costs



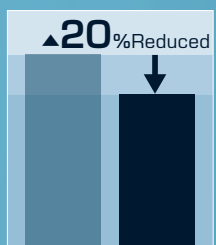
Comparison with NACHI's Conventional Products:



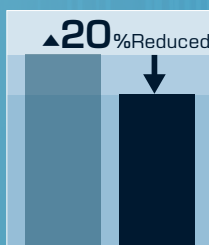
Broaching Time



Space Saved



Energy Consumption



CO₂ Emissions

NBV-5-10MA/8MA

Major Specifications

Max. Pulling Force	50KN
Max. Stroke	1000mm (10MA) / 800mm (8MA)
Broaching Speed	1-15m/min
Return Speed	27m/min
Lifter Stroke	400mm
Bolster Hole Dia.	120mm
Max. Workpiece Outer Dia.	290mm
Floor Space	1,400mm×1,900mm
Machine Weight	2,000kg

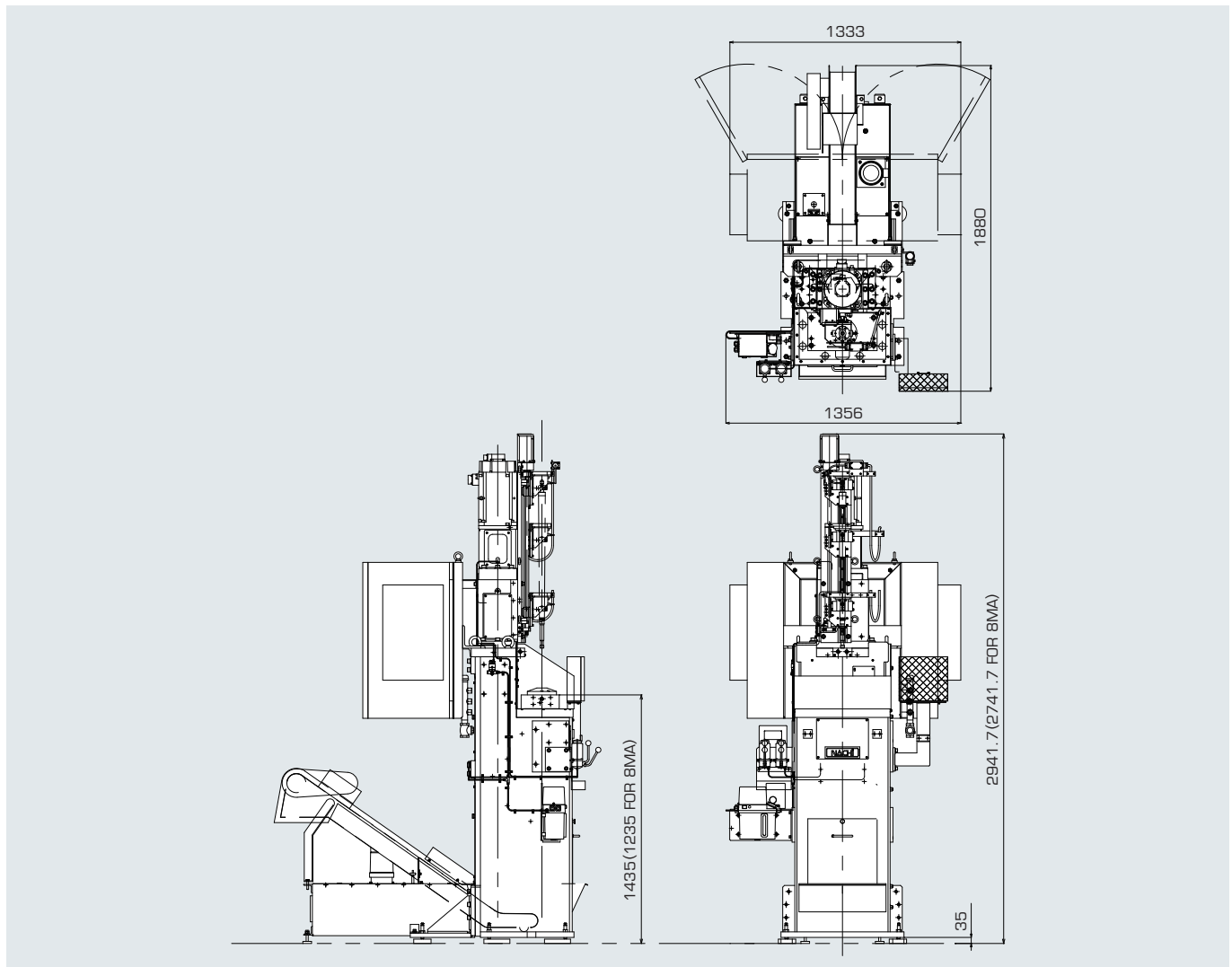
Standard Accessory

- Pull Head
- Retrieving Head
- Attached tools
- Seat Plate

Special Accessory

- Auto Loader
- Chip Conveyor
- Auto Tool Changer
- Broach Stocker

Machine Layout / Dimensional Drawing



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This product corresponds to COCOM list on Foreign Exchange and Foreign Trade Act
In case of export to outside of Japan, it's required the expoting permission from japanese government

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All information in this catalog is based on in-house measurements. This information is not guaranteed for all conditions.
Improvements to ratings or outer appearance may result in unannounced changes.

CATALOG NO. **M6110E**

2021.04.X-MD-ABE