Broaching Machines and Broaches

NC Helical Broaching Machines
BV-T25-17MNC
Features:
• Helical NC pull down and table up machine capabilities range from 3 to 50 tons
• Accuracy that achieves automotive helical internal gear requirements
• Ease of changeability and available automatic tool change option
• Compact and energy saving design

| BV-T25-17MNC | Max. pulling force (kn) | 250 |
| Max. stroke (mm) | 1,700 |
| Cutting speed 60 Hz (m/min) | 3 ~ 7 |
| Return speed 90 Hz (m/min) | 1 ~ 10 |
| Broach lift stroke (mm) | 450 |
| Bolster hole dia. (mm) | 160 |
| Max. dia. of workpiece (mm) | 200 |

‘Spiral Glide’ Helical Broaches
Features:
• ‘Spiral Glide’ spiral gullet helical broach improves workpiece accuracy
• Minimized peak cutting force
• Reduces vibration to improve machine tool life

Hard Broaching Machine
HW-5008
Features:
• Table-up hard broaching machine handles very hard materials with super precision

| HW-5008 | Max. pulling force (kn) | 50 |
| Max. stroke (mm) | 800 |
| Cutting speed (m/min) | 1 ~ 60 (60) |
| Return speed (m/min) | 1 ~ 60 |
| Bolster hole dia. (mm) | 120 |
| Max. outside dia. of workpiece (mm) | 280 |
| Workpiece fitting height (mm) | 1,000 |
| Machine height (mm) | 3,400 |
| Floor space (mm) | 1,780 x 1,900 |
| Machine weight (kg) | 5,700 |

Broaches for MQL
Features:
• World’s first semi dry broaches
• Eliminates the cleaning process requirement after broaching
• Reduces operation costs
• Designed for use with environmentally conscious cutting oils

| | Max. pulling force (kn) | 250 |
| Max. stroke (mm) | 1,700 |
| Cutting speed 60 Hz (m/min) | 3 ~ 7 |
| Return speed 90 Hz (m/min) | 1 ~ 10 |
| Broach lift stroke (mm) | 450 |
| Bolster hole dia. (mm) | 160 |
| Max. dia. of workpiece (mm) | 200 |

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*For shipping re-grinds
Cutting & Machine Tools

Hob, Shaper & Skiving Cutters
Used for rough cutting gears, they are available in sizes from 1/2" to 12" diameters, and from 1/2" to 96 pitch. All tools are manufactured fully ground and come in A and AA quality ranges. Advanced Nachi material and coating technology provides extended tool life.

Rotary Shaving Cutters
Shaving cutters are produced in sizes from 1" to 16 1/2" diameters, 1 to 32 pitch with face widths in excess of 4". These high quality powdered metal tools are ground on Nachi built precision CNC grinders. CNC inspection certificates and charts are supplied with each tool.

EX Coated Broach
EX coat for broaching ensures consistent accuracy and improved wear resistance. Nachi provides long tool life with both water soluble cutting fluid and water-immiscible cutting fluid.

Roll Forming Racks
Rolling racks are manufactured on dedicated CNC equipment and tested on in-house Nachi rolling machines and are available for thread, oil groove and spline (helical and spur) applications.

Broach Cutting Tools
We offer a complete line of broaching tools for virtually every application and every market. These tools are manufactured to ultra precision tolerances. Styles include essentially all types of internal and external broaches produced anywhere in the world today. We offer versatility in both material types broached and geometrical achievement. Nachi’s material and coating technologies have extended tool life, thereby reducing overall piece cost.

DuAI Cut Hobs - for Dry and Wet Hobbing
Features:
- DuAI cut hobs improve productivity in both dry and wet cutting
- Reduces cost
- Environmentally friendly

Forming Machines
Mechanical Vertical Precision Roll Forming Machines
PFM Series
Features:
- Easy access design for improved tool change
- Available in mechanical and NC versions
- NC version has the ability to adjust the speed during the rolling process, which greatly improves accuracy
- Conserves energy and is compact in size

Ask Us About Our Production and Prototype Capabilities and Full Regrind Services