

PRODUCTS



BROACH

Various broaches such as surface and internal broaches

Applying our years of experience, we manufacture and sell surface broaches (flat), internal broaches (round), and other tools used in the machining of parts for automobile engines, steering, brakes, and suspension.

Utilizing cutting, heat processing, grinding, and surface processing techniques for a variety of materials (high-spec and super hard materials), we give form to the designs, development, production, quality, and delivery deadlines that match the needs of our customers to provide highly reliable broaches. In addition to product manufacturing, we provide repairs, troubleshooting, and after-sales services to offer total support towards improving customer product manufacturing quality, cost reductions, and work optimization.

DETAIL



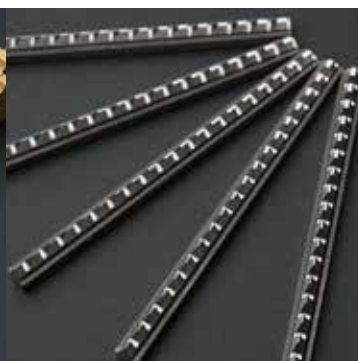
Super-hard solid broaches

Tools used for the precision finishing of the compressors used in air conditioner outdoor units and refrigerators.



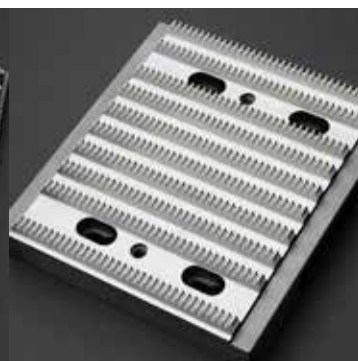
Surface broach

Broaches for flat surface machining of engine parts, broaches for machining axle edges, broaches for general flat surface machining.



Special surface broaches

Processing v-shaped grooves in engine parts, irregular-shaped flat surfaces.



Rack surface broaches

For steering rack machining.



Broaches with super-hard bits

For machining bearing caps and mountain disk breaks.



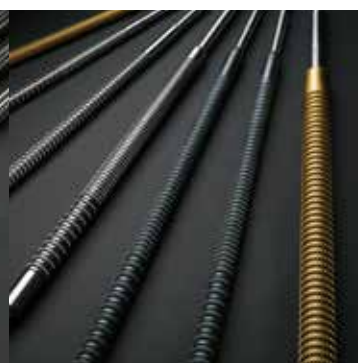
Super-slim internal broaches

For machining internal components of electronic devices



Special double-sided broaches

For machining angular holes in the internal components of constant velocity joints of draft shafts.



Internal broach

For machining internal components such as transmissions, axle shafts, clutches, handle yokes, joint yokes, etc. and for parts machining.

PRODUCTS

MOLD

Contact rubber / various metal mold products for keypads

Our Molds Division is focused on compression molds and injection molds, particularly molds for rubber products. We provide various types of contact rubber, keypads, and packing used in automotive parts and mobile phones as well as the ancillary removal tools used in manufacturing. We provide machining based on the shapes, materials, and sizes required by customers and can respond to any type of surface processing and finishing request.



DETAIL



Telephone molds

Production of molds for rubber keys and packing used in telephones, mobile phones, etc.

Automotive switch molds

Production of molds for rubber switches used in power windows, car navigation systems, gauges, etc.

Electronic device component molds

Production of molds for rubber keys and packing used in personal computers, digital cameras, etc.

PRODUCTS

PIN

Cast pin/core pin products

Our Pin Division conducts the special order manufacturing and sales of cast pins and core pins. To meet customer needs, we accept all types of orders for the manufacturing of irregular-shaped pins which need wire cutting and electro-discharge machining, as well as all types of surface processing. Our casting pin manufacturing business applies broach manufacturing technology and experience cultivated over many years to provide high-precision, high-quality products.



DETAIL



Casting pin ①

Casting pins embedded into molds when creating aluminum die cast products.

Casting pin ②

Casting pins embedded into molds when creating aluminum die cast products.

PRODUCTS

MACHINE

Machine tool sales

The two types of NITTO brand broach sharpeners, the NBG series (general manual type) and the NBG-NC (CNC auto-controlled type) are machines developed through a technology collaboration by Nitto Precision Co., Ltd, a broach manufacturer, and NITTO POLYGON Co., Ltd., a machine manufacturer.

This machine is the embodiment of advanced machining knowhow related to broach manufacturing.



NBG Series(All-purpose manual type)

■ Best machine that improves product quality and work performance

- ① Position settings for control handles and levers that emphasize workability and ease of use.
- ② Grinding wheel spindle equipped with a spindle motor with the same revolution range as an NC machine which enables maintenance of grinding wheel shape and dress intervals.
- ③ Installing (standard specs) a Y-axis (up/down) air balance improves workability and balances ram head weight to maintain machining precision.

NBG-NC Series(CNC automatic control type)

■ Best machine for simple operation and maximum quality

- ① Use of a memory card system enables broaches cut on the master machine to be reworked by regular workers using the same methods as broach manufacturer.
- ② Broach blade pitch and uneven pitches are detected automatically by the NC system to enable automated machining.
- ③ CBN grinding wheel and a soluble coolant enable hardness changes that do not produce heat in the blade tip.
- ④ Operating program involves simple input based on diagram numbers.