

The logo features the stylized text 'B&B' in a white serif font, centered within a dark blue circle that has a light blue border. The background of the entire slide is a photograph of a modern industrial building with a blue-tinted sky and clouds. The building has multiple windows and a large white loading dock door.

B&B

TOOL AND MOULD LTD

EST 1966

Sales Presentation 2022

3245 N Talbot Rd Oldcastle ON N0R 1L0

www.bbtool.com

The background of the entire slide is a photograph of a factory floor. In the center, seven men are standing in a row, smiling at the camera. They are dressed in dark-colored shirts, some with the B&B logo. Behind them are large industrial machines, likely injection molding presses. In the lower-left foreground, the front of a white GMC pickup truck is visible, featuring a B&B logo on its side.

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TOOL AND MOULD LTD

Responsive. Innovative. Trusted.

B&B Tool is a Windsor-based provider of large format injection tooling, primarily for the automotive sector – fascias, instrument panels and accompanying tooling. By focusing on sustainable win-win relationships that are founded on honesty, accountability and mutual respect, we've built a success story that has now spanned a half century.

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Mission Statement

There are two facets to every success story:

What you do, and how you do it.

For us, it's not just about building reliable and innovative tools; it's also about building the kind of trust that inspires long-term relationships



To provide a high quality, low maintenance plastic injection mold



To provide a clean, safe and friendly working environment.



To continuously improve our company by utilizing the latest technology and experience.



56 OF EXCEEDING
YEARS EXPECTATIONS

B&B would like to share in your company's success by building the tooling for the next generation of automobiles



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History



First Fascia was a front fascia for 1988 Buick Regal For GM Oshawa



First Zero Parting Line Collapsible Core 1996 Ford Taurus



2005/06 Camaro Base and Premium Fascia From Concept to reality



2011 Jeep Compass Upper and Lower Fascia



2017 Chevy Silverado Lower Fascia



2018 Ford Mustang Frt. and Rr. Fascia's



Management Team



J.P. Bouma
General Manager & Sales



Todd Dupuis
CFO / Quality Manager



Tony Pelle
VP of Operations



Chris Boutette
Plant Manager



Callan Zborowski
Engineer Manager

Overview of Facility and Personnel



Building

Office and Engineering Area:

4,500 sq. ft

Manufacturing Area:

49,000 sq. ft



Staff

Hourly Employees: **38**

Salary Employees: **7**



Annual Sales

18 to 26 Million

Quality Policy & Certificates

The quality policy at B&B Tool states that our customers expect and deserve high quality tools for their injection molding applications. The management and employees of B&B Tool are committed to providing reliable, durable and maintainable products, which meet or exceed our customer's expectations. Having satisfied customers motivates the workforce and drives management to invest in current manufacturing technologies to get the work done efficiently, economically, and to the complete satisfaction of our customers.

ISO 9001-2015

The B&B Difference



Shop Scheduling and Time Management is handled by the plant manager.



Weekly time-lines are supplied to each customer to update progress and ensure on time delivery.



B&B Tool on-time delivery rate is 100%



Compressed timing capabilities are available due to our one shift scheduling techniques.



B&B Tool and Mould specializes in Fascia, I/P and Large Tooling.



B&B Tool's future plan is to grow in technology and continue to provide great customer service.

Key Customers

Direct Customers



International Automotive Components

Indirect Customers



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Machine Capabilities

5-Axis Finishing

Boring Mill Department

Details Department

Components Department

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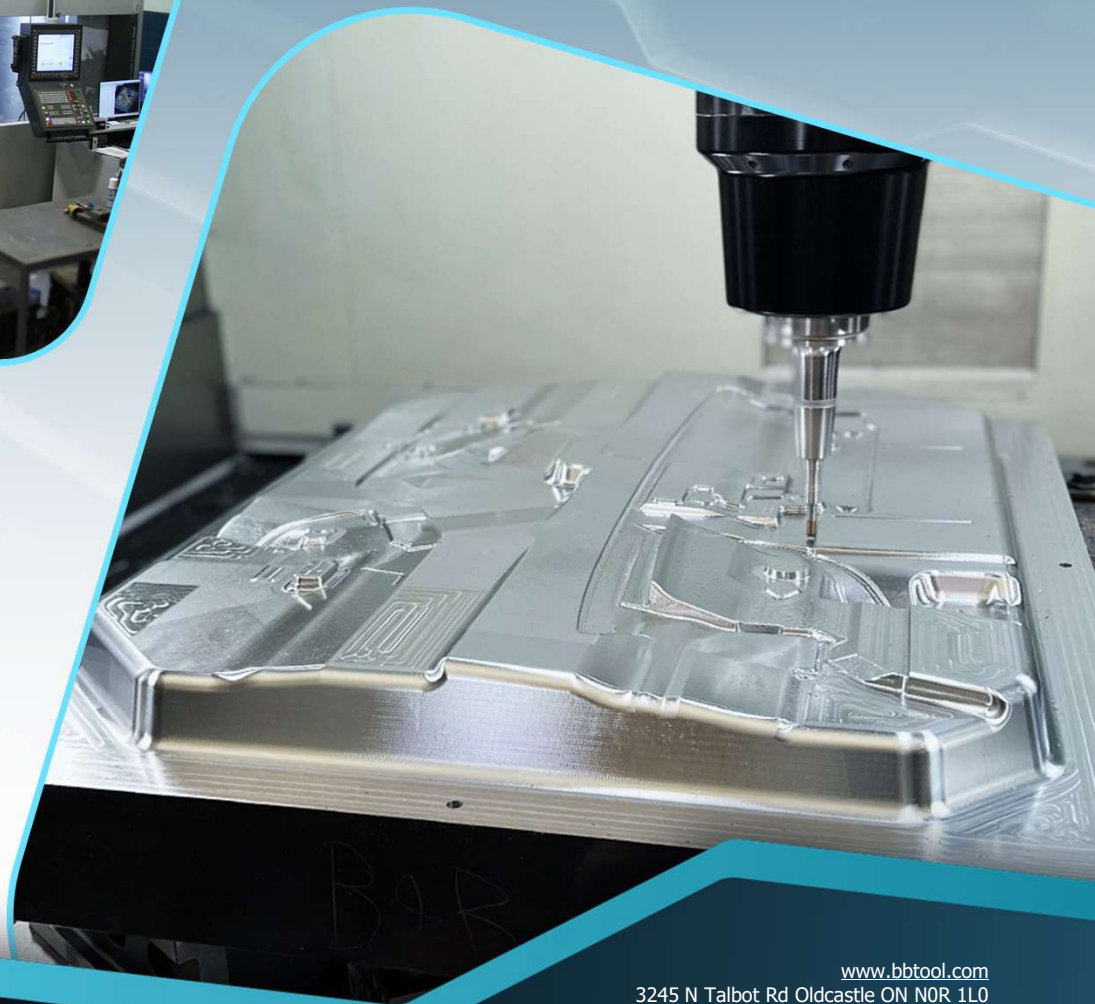
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Speedliner



SPEEDLINER is a gantry style machining centre with **5 axis for high speed moulds/dies machining** as well as aerospace jobs. It features a monobloc structure with a gantry moving saddle and stationary workpiece.

| | |
|----------------------------|-------------------------------|
| Machine Age | Since 2005 |
| Longitudinal travel | 4000 30000 mm |
| Cross travel | 2600 3200 3600 mm |
| Vertical travel | 800 1200 1400 mm |
| Feeds | 0 ÷ 80000 mm/1' |
| Brushless AC spindle motor | 37 ÷ 60 Kw 20000 ÷ 2400 rpm |



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LHS



The LHS features a longitudinally moving column. It is a large size machining centre with 3+2 axis machining capability. Due to its structure, the machine is suitable for various applications: with automatic head change system and with multi working zones.

| | |
|----------------------------|-------------------------------|
| Machine Age | Since 2010 |
| Longitudinal travel | 3500 ÷ 20000 mm |
| Cross travel | 1250 mm |
| Vertical travel | 2000 ÷ 2700 mm |
| Feeds | 0 ÷ 40000 0 ÷ 80000 mm/1' |
| Brushless AC spindle motor | 30 ÷ 64 Kw 5000 ÷ 30000 rpm |



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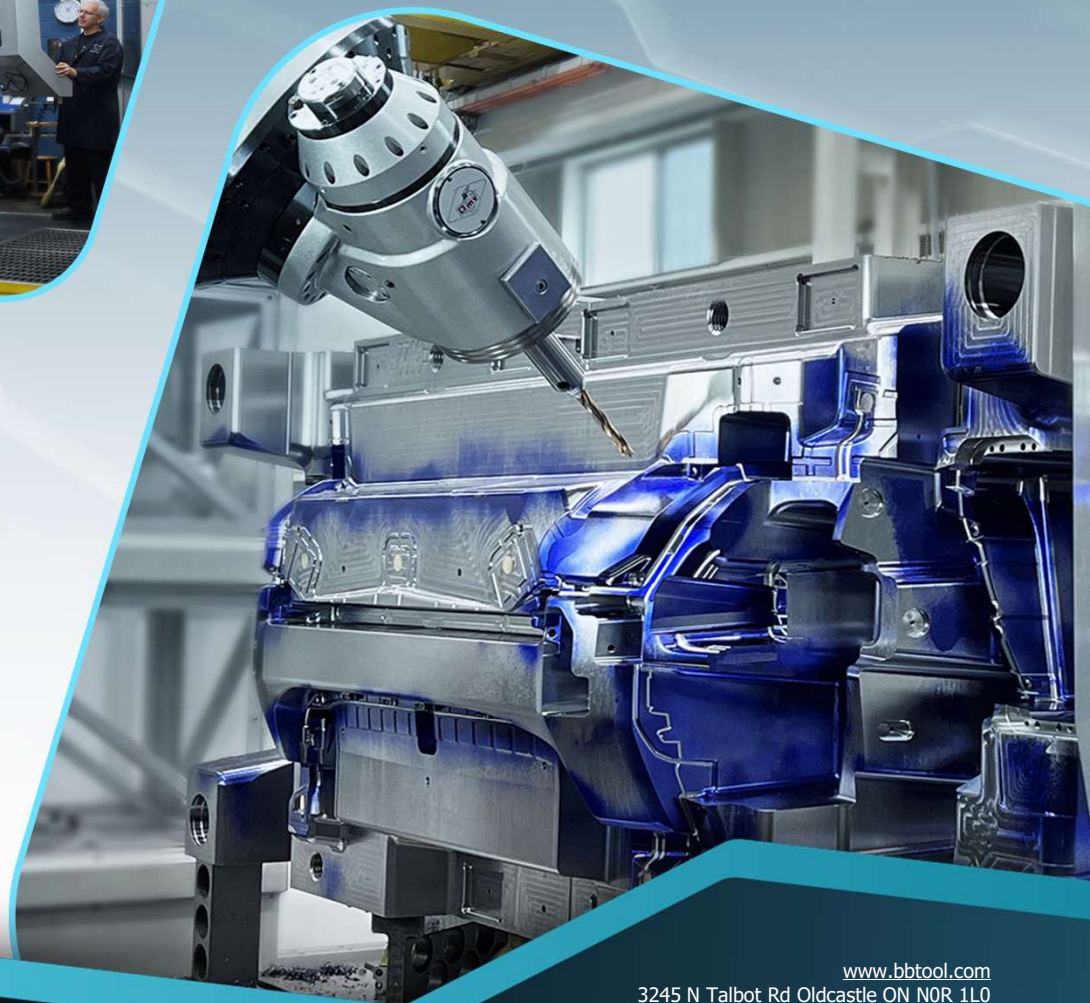
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DINAMIKA



DINAMIKA is a very versatile floor type high dynamic milling machine featuring high technology solutions. Wide range of configurations on multiple axis, modularity on travels and various accessories (milling heads, heads auto change, rotary tables, ATCs, automation). This machine is ideal for finishing of medium to large components and fully assembled molds.

| | |
|----------------------------|-------------------------------|
| Machine Age | Since 2017 |
| Longitudinal travel | 4500 ÷ 20500 mm |
| Cross travel | 1600 mm |
| Vertical travel | 2600 4100 mm |
| Feeds | 0 ÷ 30000 mm/1' |
| Brushless AC spindle motor | 29 ÷ 75 Kw 4000 ÷ 18000 rpm |



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Kuraki KBT-13.A

The BEST Horizontal Boring & Milling Machine for Larger Blocks

Ultimate solution for high rigidity resulting from large-diameter pretensioned ball-screws and robust square slideway construction on each axis. Designed for heavy load work and easy part accessibility with column Z axis traverses.

Efficient chip management using a coil-type chip conveyer in the horizontal X axis as standard equipment. High torque and three spindle ranges allow for powerful and heavy duty cutting.

| | |
|----------------------------|---|
| Machine Age | Since 2005 |
| Longitudinal travel | 3000 mm |
| Cross travel | 1300 mm |
| Vertical travel | 2000 mm |
| Feeds | 1~4000 mm |
| Brushless AC spindle motor | AC22 (30 (30 min) /18.5 (25 (cont.) kW (HP) |



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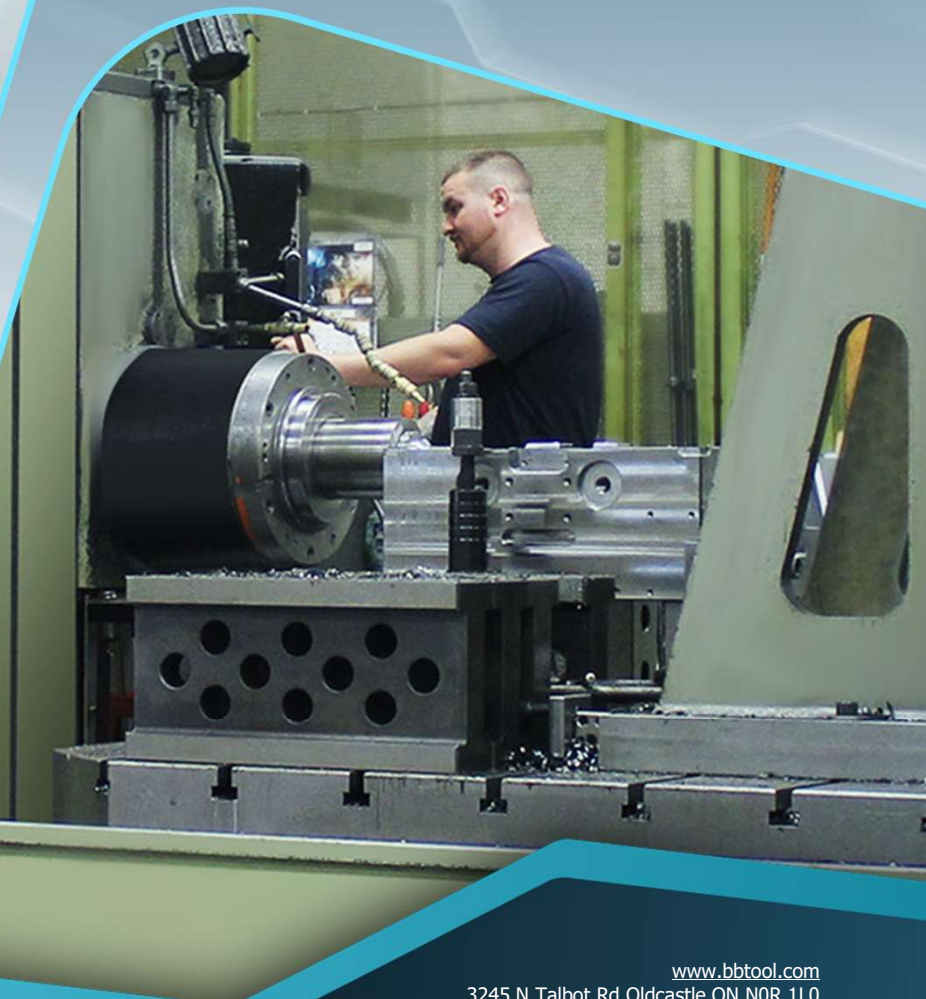
Kuraki KBT-15.A

CNC Horizontal Boring & Milling Machine

Optimal Spindle Diameter Sizes Increase Productivity in Machining Deep, Multi-Faced Workpieces.

Standard machine model in $\phi 150$ mm (5.91") spindle series. Very rigid spindle of Horizontal Boring & Milling Machine ensures maximum capability in spindle feeding machining. High-torque 3-steps geared head spindle ensures powerful heavy-duty cutting.

| | |
|----------------------------|--|
| Machine Age | Since 1998 |
| Longitudinal travel | 3000 mm |
| Cross travel | 1300 mm |
| Vertical travel | 700 mm |
| Feeds | 1~4000 mm |
| Brushless AC spindle motor | AC26 (35 (30 min) / 22 (30) kW (HP) |



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Kuraki 15-BDX

CNC Horizontal Boring & Milling Machine

Optimal Spindle Diameter Sizes Increase Productivity in Machining Deep, Multi-Faced Workpieces.

Standard machine model in $\phi 150$ mm (5.91") spindle series. Very rigid spindle of Horizontal Boring & Milling Machine ensures maximum capability in spindle feeding machining. High-torque 3-steps geared head spindle ensures powerful heavy-duty cutting.

| | |
|----------------------------|--|
| Machine Age | Since 1998 |
| Longitudinal travel | 3000 mm |
| Cross travel | 1300 mm |
| Vertical travel | 700 mm |
| Feeds | 1~4000 mm |
| Brushless AC spindle motor | AC26 (35 (30 min) / 22 (30) kW (HP) |



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Maut – Plate Machining

CNC Milling Machine

| | |
|--|----------------------------|
| Machine Age | Since 2006 |
| Working Table Dimensions | 204.7 in (L) x 37.8 in (W) |
| Maximum Table Load | 30,000 Lb |
| Power of the spindle drive | 28.8 hp |
| Minimum rotary speed of the vertical | 10 1/min |
| Maximum rotary speed of the vertical | 1207 1/min |
| Travel length X-axis (mechanical feed) | 4 meters |
| Travel length Y-axis (mechanical feed) | 2 meters |
| Travel length Z-axis (mechanical feed) | 1.5 meters |
| Machine height | 145.7 in |
| Machine length | 263.8 in |
| Machine width | 177.2 in |
| Machine weight | 24.3 short ton |

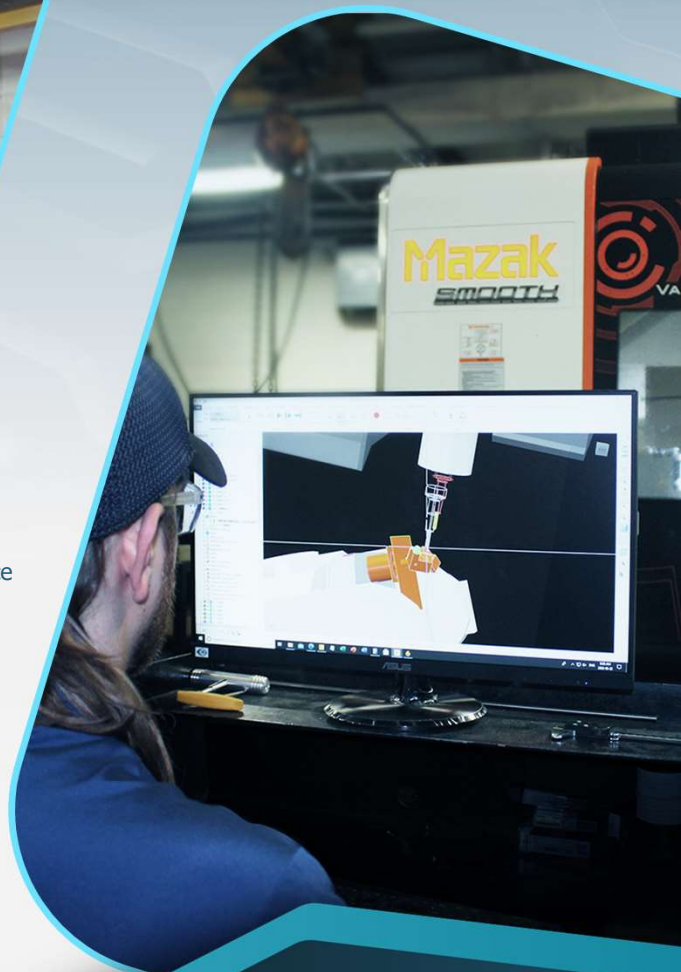


Mazak I-700 – Component Machine

- Handles parts up to 41.43" in diameter and 39.37" high
- Spindle selection addresses various metal removal
- Tilting B-axis allows for full 5-axis machining
- Powerful turning spindle delivers heavy-duty performance
- Automatic tool changer offers continuous machining operations
- Tool storage capacities from 43 to 160 tools offer high flexibility
- Integrates with optional PALLATECH System for lights-out operations
- Mazatrol SmoothX CNC offers industry's fastest processing times
- Compact milling spindle reduces workpiece interference
- Powerful turning spindle delivers heavy-duty performance

| | |
|---------------|----------------|
| Machine Age | Since Jun 2017 |
| Height | 500 mm |
| Diameter | 850 mm |
| Circumference | 60 mm |

| | |
|---------------------|---------|
| Mass | 700 kg |
| Longitudinal travel | 1100 mm |
| Cross travel | 630 mm |
| Vertical travel | 600 mm |





Mazak I-800V-8 & I-630V – Component Machine

- Handles parts up to 60.0" in diameter and 60.0" high
- Spindle selection addresses various metal removal
- Tilting B-axis allows for full 5-axis machining
- Powerful turning spindle delivers heavy-duty performance
- Automatic tool changer offers continuous machining operations
- Tool storage capacities from 43 to 160 tools offer high flexibility
- Two-pallet changer facilitates unattended machining

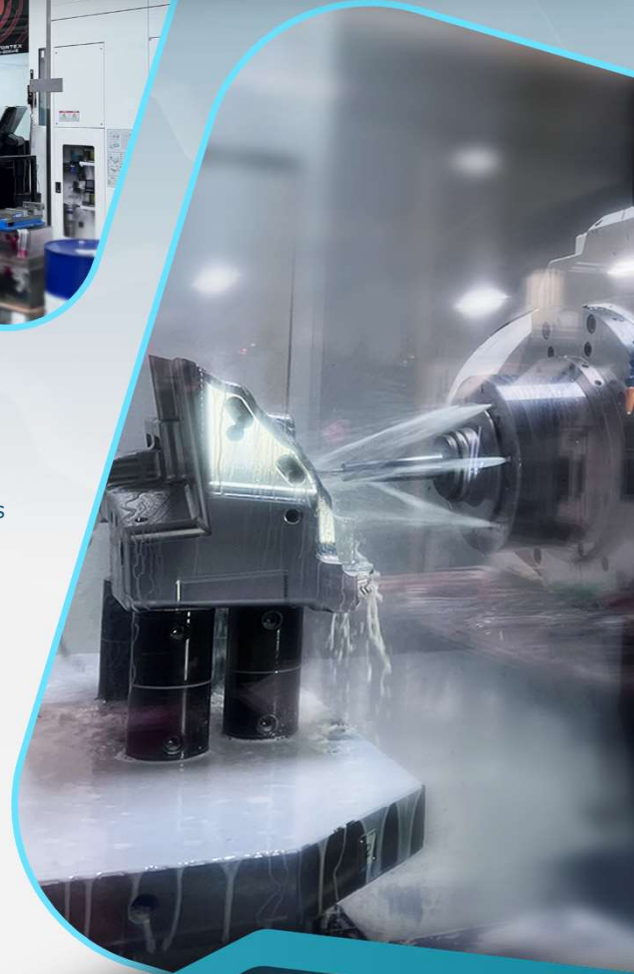
- Square or round pallets available for two-pallet changer
- Integrates with optional PALLATECH System for lights-out operations
- Mazatrol SmoothX CNC offers industry's fastest processing times
- Compact milling spindle reduces workpiece interference
- Powerful turning spindle delivers heavy-duty performance

MAZAK I-800V-8

| | |
|-------------|----------------|
| Machine Age | Since Jun 2017 |
| Height | 1500 mm |
| Diameter | 1500 mm |
| Mass | 2450 kg |

MAZAK I-630V

| | |
|---------------------|----------------|
| Machine Age | Since Jun 2017 |
| Longitudinal travel | 1000 mm |
| Cross travel | 1050 mm |
| Vertical travel | 1500 kg |





Okuma

Highly rigid, thermally stable construction allows this vertical machining center to withstand thermal deformation, resulting in reduced thermal growth and improved machining performance. It can handle a variety of materials, from titanium to aluminum, and does so without sacrificing finish quality or productivity. Designed on the Thermo-Friendly Concept and controlled by the open-architecture, user-friendly OSP-P control, our GENOS M560-V truly delivers affordable excellence.

| | |
|---------------------|-----------|
| Machine Age | 2021 |
| Longitudinal travel | 1200 mm |
| Cross travel | 600 mm |
| Vertical travel | 600 mm |
| Spindle RPM | 15000 RPM |

Details/Component Department



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OKK – Details Machine

- 3-axis simultaneous machining centers designed for exceptional versatility
- Excellent machine design for both higher productivity and ease of operation
- Compact spindle minimizes workpiece interference
- High-rigidity table

| | |
|---------------------|--------------|
| Machine Age | Since 2016 |
| Longitudinal travel | 760 (29.92") |
| Cross travel | 610 (24.02") |
| Vertical travel | 900 (35.43") |
| Spindle Motor | 40/35HP |



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3 KE55 Makino

The operator-friendly KE-55 represents the next generation of operations, including oblique and circular cutting as well as tapping, can be executed accurately without using attachments or worrying about centering. When producing single part runs, the KE-55 out-performs the competition in every aspect, including speed, accuracy and machining reliability.

| | |
|---------------------|------------|
| Machine Age | Since 1998 |
| Longitudinal travel | 31.0" |
| Cross travel | 15.0" |
| Vertical travel | 18.0" |
| Spindle Motor | 7HP |



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Spotting Department

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Design Department and Structure



Software

- 8- Seats NX2007
- 8- Seats Teamcenter 13.304
- 1- Seat of Catia V5-6
- 6- Seat of Autodesk PowerMill
- 7- Seat of Work NC
- 6- Seat of Ideas 6.3



6 Mold Designers
(Surfacing/Programming)



B&B Tool and Mould offers onsite 3D and online webex design review capabilities.



Trucking / Transportation Capabilities

Freightliner Flatbed
with Rail Slide
Cover; Capacity
90,000 lbs.



Ford F350 Power-stroke
Diesel, Dual Flare-side
2-Ton Pick-up Truck

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