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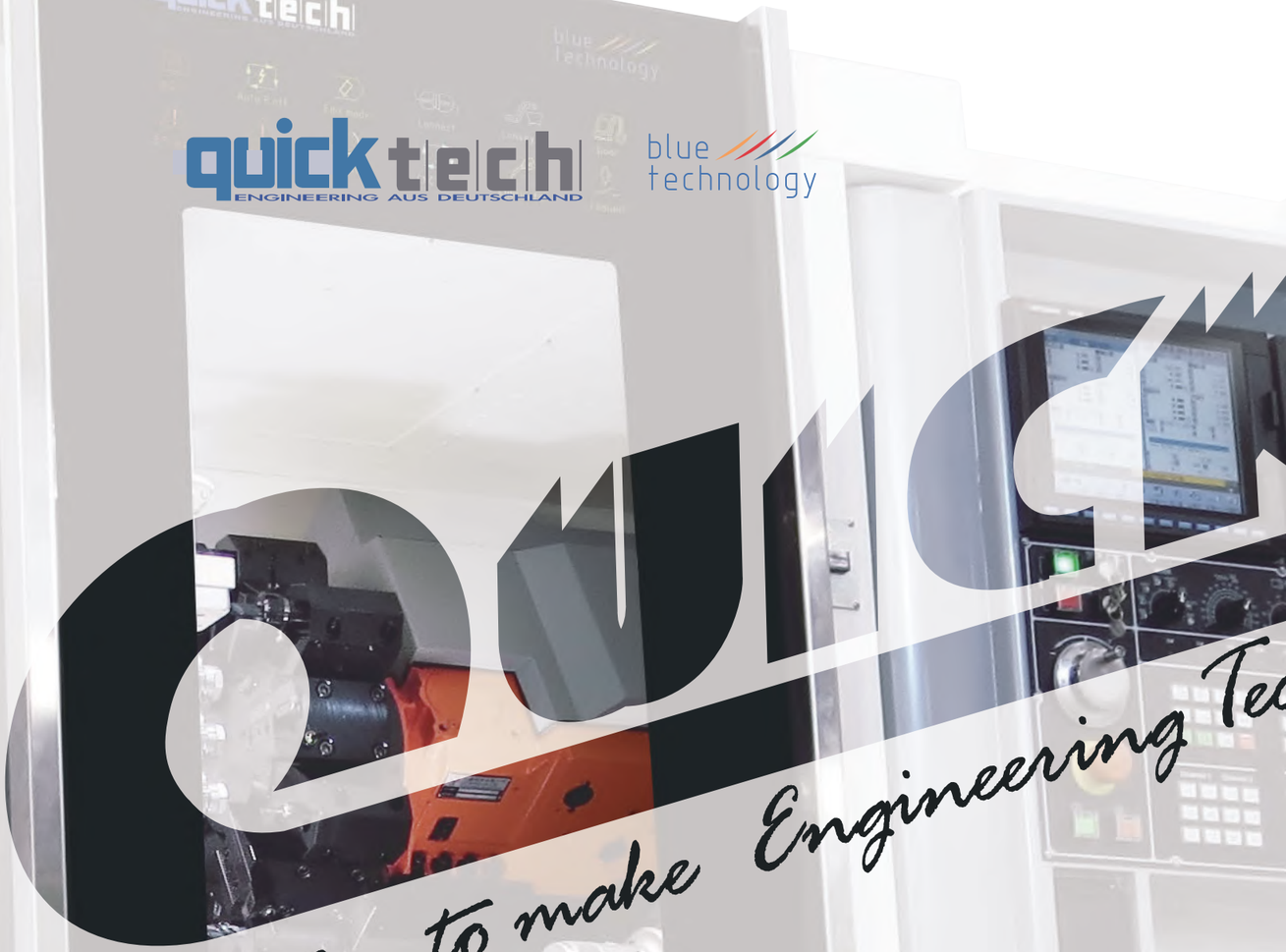
quicktech
ENGINEERING AUS DEUTSCHLAND

blue technology

CNC-Drehmaschine
Hybrid
TECH



Intention to make Engineering Tec

CNC MACHINE TOOLS MANUFACTURING

2017.11

Quick-TECH Machinery Co., Ltd.

Company Introduction

In retrospect of Taiwanese industry, QuickTech Machinery has made its remarkable leaps on the market with the unique 3-axis gantry tooling system since the establishment in 1996.

The market strategy let QuickTech has a tight connection with the whole world. The complete series from 2 axis to 14 axis high precision CNC lathe offer all kinds of eco solution to make every customer satisfied with machine performance.

Many luxurious accessory parts of famous European brands are also made by QuickTech's automatic CNC lathe. "German inheritance, exquisite technology", with its unique duo process and twin spindle system, QuickTech has stood out proudly in the automatic CNC lathe market.

Worldwide Agency

More than 40 agents around the worldwide, QuickTech strongly makes a good connection to every sales channel in Germany, Italy, U.S.A, Turkey, and South of Africa and so on…

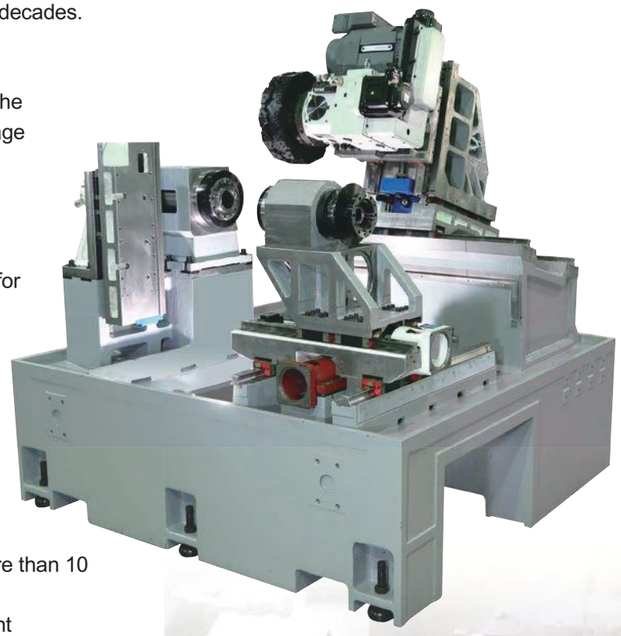
24 hours hot-line solves all the trouble shooting from customer side. Restless service turns on to make on time service. QuickTech not only provides high competitive and high precision CNC lathe but also has a strong after-sales team for the customer services

Continuous Innovation

The research and development department delicates on designing new machines versatile module. The benefits of the parts commonality increase the inventory capacity and purchasing competition over decades.

QuickTech keeps working on product development and marketing to meet the trend of machine tools industry. The European machine package and excellent company image offers great impression to prove every capacity and possibility of QuickTech.

Through the strong and tight relationship with various global channels. QuickTech creates a win-win situation for both sides to maximize the market value.



Mass production parts

QuickTech Machinery has applied for the mass production in various kinds of metal such as pneumatic connector, gas connector, medical parts as well as faucet parts. After working in this field for more than 10 years, more applications were made for high-end metal accessory. The market strategy let QuickTech has a tight connection with the whole world. In fact, QuickTech products are used in wide applications.

Strong Team Work

In QuickTech each department shows their best to the public. The department of production, R&D, sales, purchasing, financing and management department prove to everyone why QuickTech can have a good successful performance. Every department in QuickTech works diligently to ensure the best quality and high cost performance.

Visions

On top of that QuickTech Committed to insist producing all the major parts of the machines such as high precision motorize tools, guideway, and supply the precise components for machine build up to decrease the production cost annually.

Strictly checks and monitors every protocol of accuracy and quality condition during the machine build-up process. Those insistences are all for making sure the customers are satisfied with the machine in prefect quality condition and very proud to say QuickTech CNC lathe are the best solution of mass production.

Applies the visual controlling management to lower human negligence to increase the production efficiency and steadiness in business growth.

With spirits of insistence and diligent for the long term prospect always think big and practices the best to extend the sole particularity and brand-new concept into the market. Embraced with the vision and ambition to initiate the powerful sales.

The departments in Quicktech

Sales Department

Quality Control Department

3D measurement

Quality Assurance Inspection

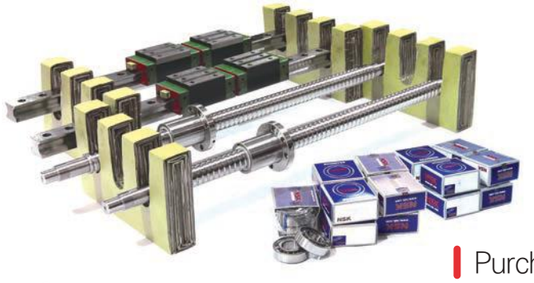
R&D Department

The departments in Quicktech

Logistic Department

Warehousing

Production planning department



Purchasing

Workshop

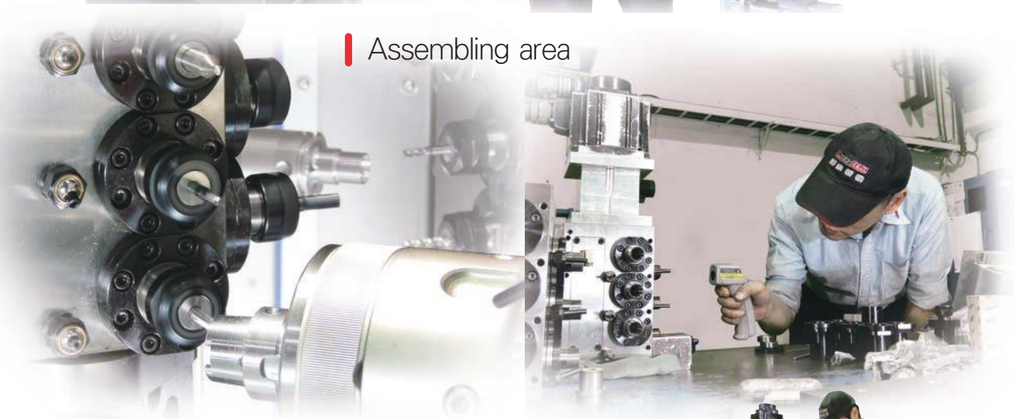
Application Department

Production Department

Electrical

Scrapping

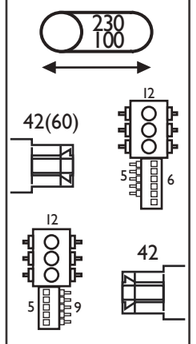
Assembling area



Mechanical assembly

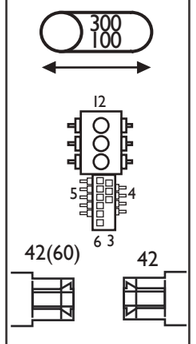
i-Series

i-42u



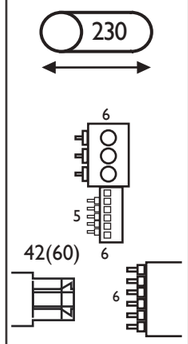
12 axis
13 axis(B)
14 axis(BB)

i-42twin



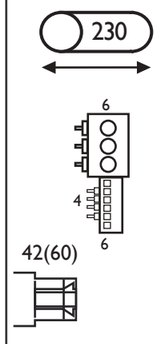
9 axis
10 axis(B)

i-42plus



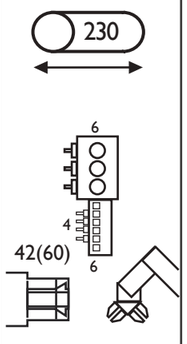
8 axis
9 axis(B)

i-42eco



6 axis
7 axis(B)

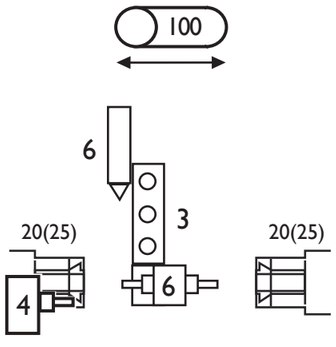
i-42robo



6+6 axis (Robo)
7(B)+6 axis (Robo)

S-Series

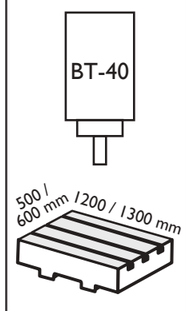
MinMax S-20i



10 axis

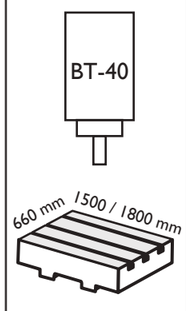
V-Series

V-10 / V-12



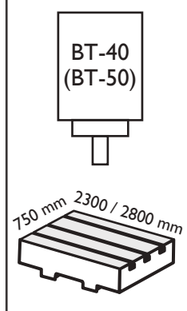
Travel
X-axis 1000 / 1200 mm
Y-axis 500 / 600 mm
Z-axis 570 / 610 mm

V-13 / V-15



Travel
X-axis 1300 / 1500 mm
Y-axis 700 / 700 mm
Z-axis 700 / 700 mm

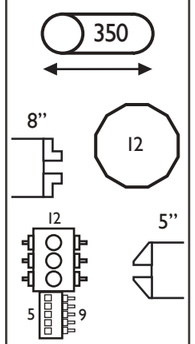
V-20 / V-25



Travel
X-axis 2000 / 2500 mm
Y-axis 850 / 850 mm
Z-axis 710 / 710 mm

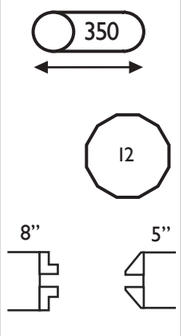
T-Series

T8-H
T8-HY



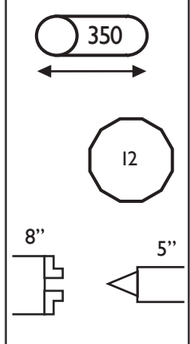
13 axis
14 axis(YB)

T8-twin
T8-twinY



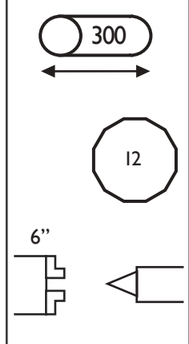
9 axis
10 axis(Y)

T8-Classical



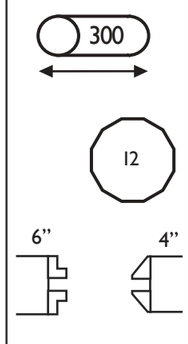
4 axis
6 axis(M)

T6-Compact



4 axis
6 axis(M)

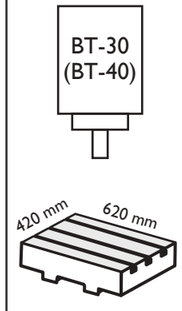
T6-Twin



9 axis

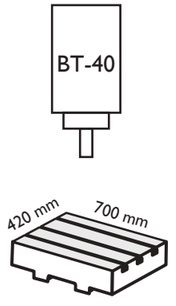
Q-Series

Q5



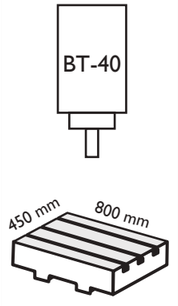
Travel
X-axis 500 mm
Y-axis 400 mm
Z-axis 300 mm

Q6



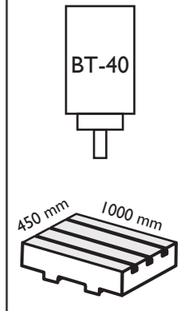
Travel
X-axis 600 mm
Y-axis 400 mm
Z-axis 450 mm

Q7



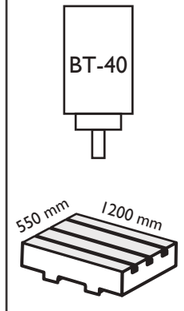
Travel
X-axis 700 mm
Y-axis 500 mm
Z-axis 550 mm

Q8



Travel
X-axis 800 mm
Y-axis 500 mm
Z-axis 550 mm

Q10

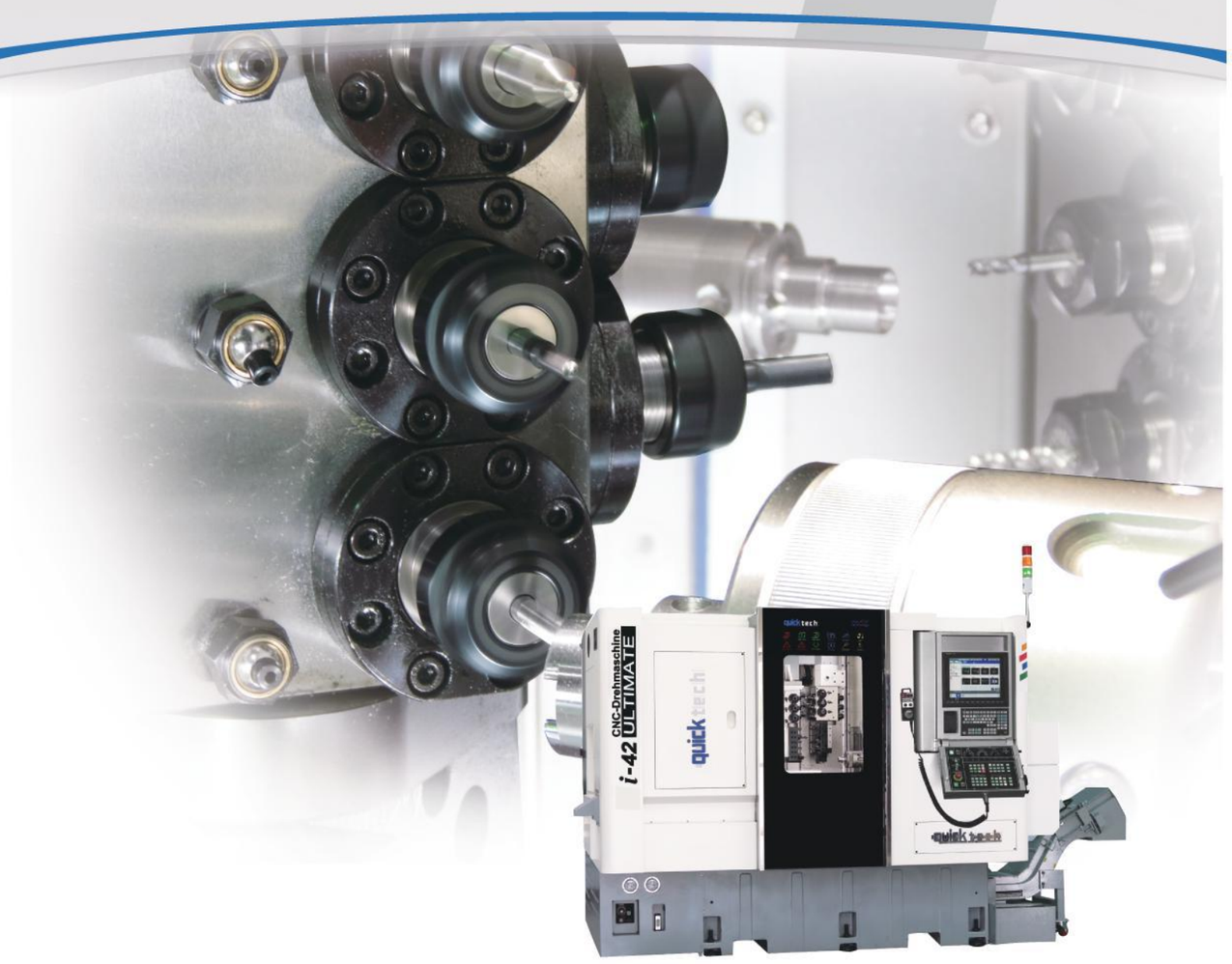


Travel
X-axis 1000 mm
Y-axis 600 mm
Z-axis 600 mm

i-Series

The series is a combination of cost effective and highly productive for complex work piece!

I-series and S-series from QuickTech this year are being seen an advanced innovation in automation industry. Combining more unique and reliable design creates greater value and performance. These universal turning and milling complex machines open a new era of precision and reliability in workshops. They are ideal for producing complicated, small, and single parts in high production demands.



i-42 Ultimate

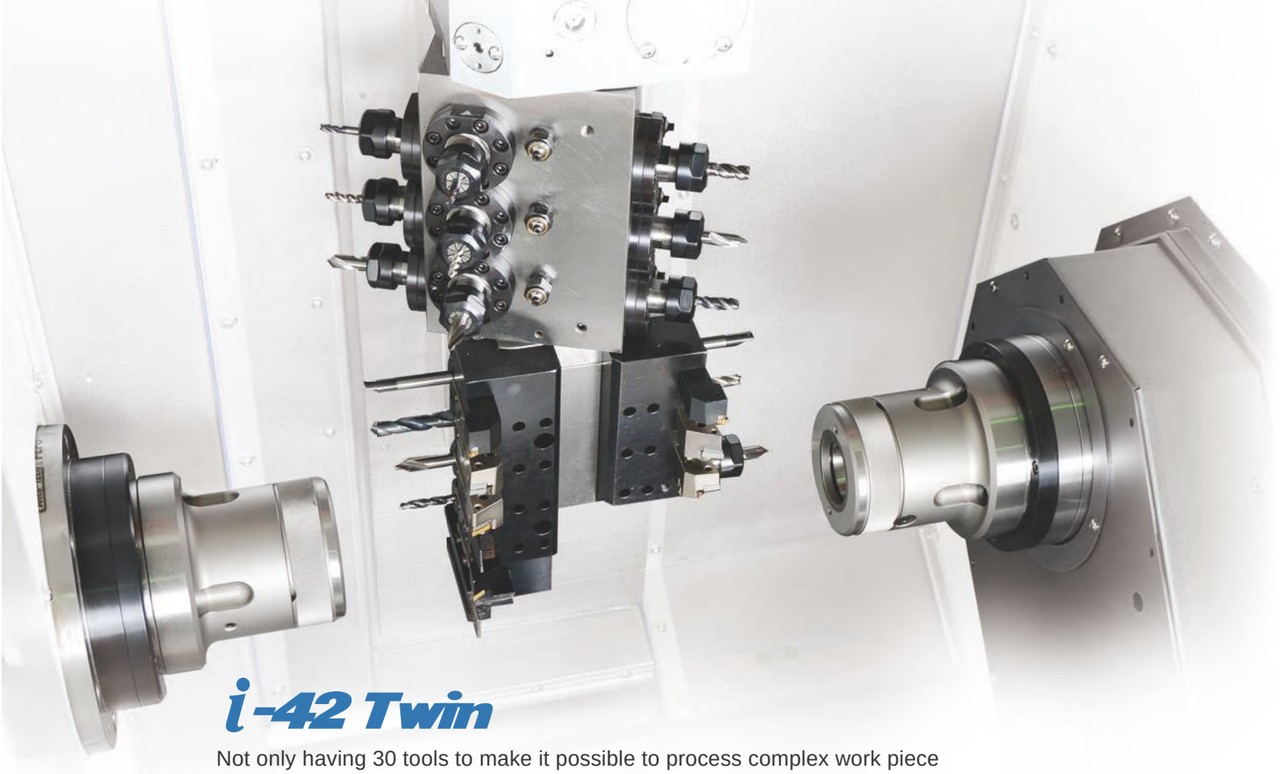
Flexible duo system simultaneous
Cycle time can be saved up to 48%

With the system allows running 2 programs simultaneously, flexible gantry tools for main and sub spindle and C-axis capabilities, milling and turning applications are completed in one single machine.

They are ideal for producing complicated and single parts in high production demand.

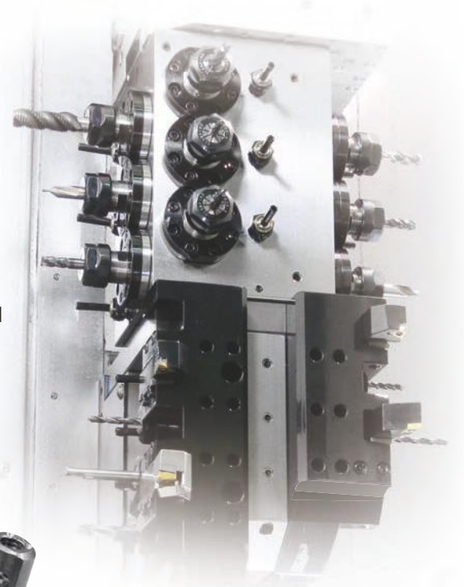
B-Axis Free angle
Tilting drilling and tapping
24 live tools with 1.5 KW

The milling head comprises of 24 motorized tools for 360 ° continuous leads to even greater flexible tools arrangement and significantly efficient productivity for small and medium lot sizes.



i-42 Twin

Not only having 30 tools to make it possible to process complex work piece from inside, outside and outline, it also marks the integration of the driven tools having a powerful B- axis milling for simultaneous and efficient machining.



Tooling System

The flexible tooling system comes with 9 standard external tools 9 internal tools and 12 live tools.

The unique tooling system can be changed easily saves every second on site. Its versatile tooling system allows complex components to be finished completely in one operation.

i-42 Robo

Complimenting the standard I-42 ECO lathe, is a fully integrated high speed, high precision 6 axis intelligent robot.

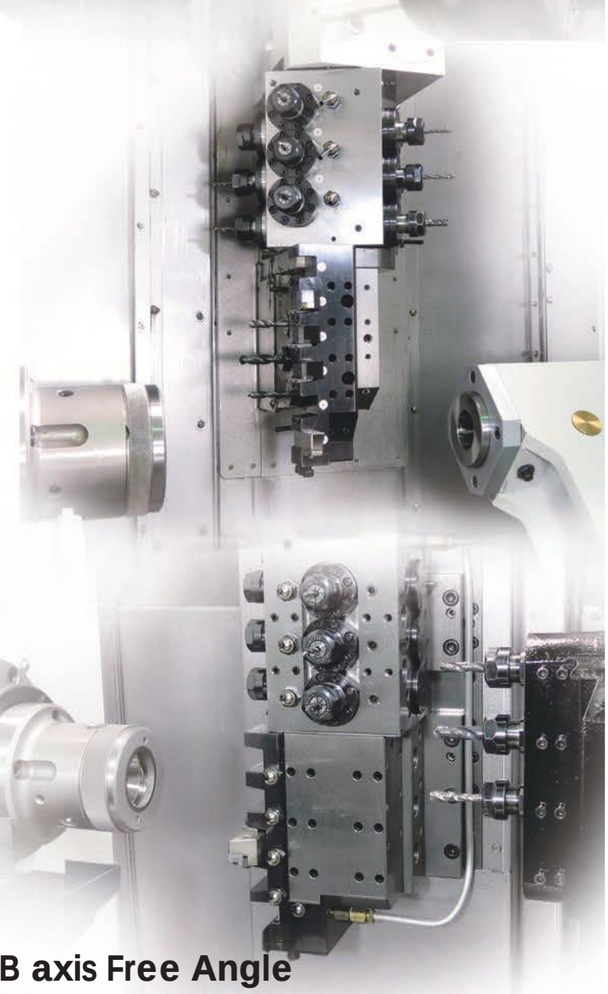
This intelligent robot has a total of 512 programs, and can easily maneuver around tooling and other obstacles within the work area.

It can handle work pieces of up to 7kg, and is ideal for billets, castings and forgings.

i-42 Eco

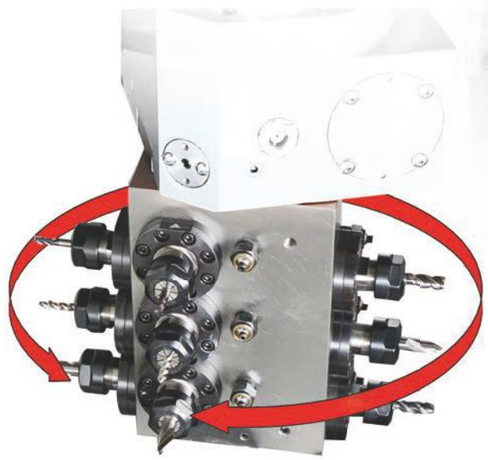
The tooling block consists of 6 turning tools, 4 boring tools and 6 live tools (16 in total).

In addlition, the Y axis allows complex and ‘off-center’ milling operations to be performed, and with full C-axis control, many complex contours can be machined.



i-42 Plus

Simultaneous machining is possible from the outside as well as from the inside. Depending on the work piece, the working time can be reduced up to 45%.

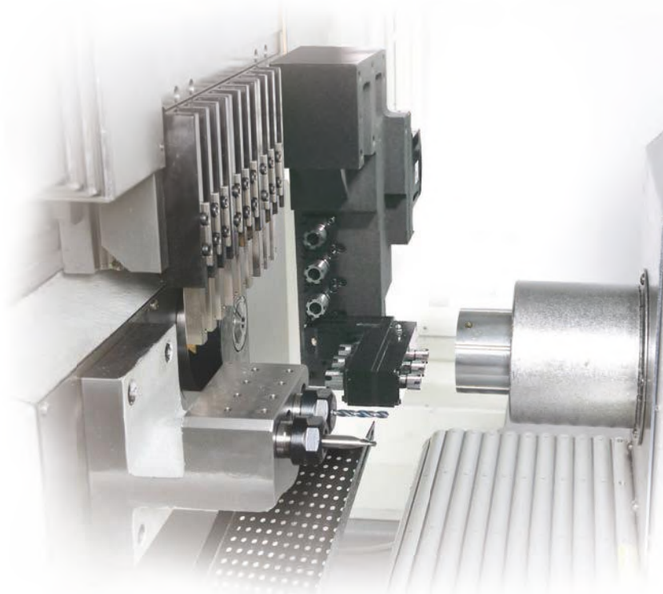


B axis Free Angle Motorized Tools

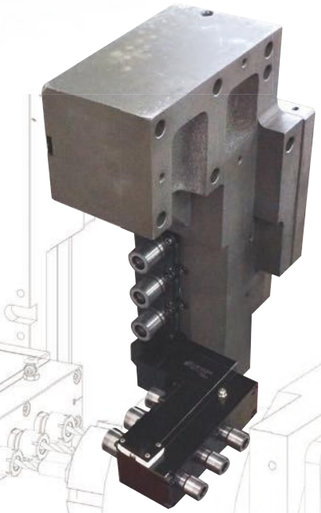
This milling head comprises of 12 motorized tools from 360° continuous leads to even greater flexible tools arrangement and significantly efficient productivity for small and medium lot sizes.

MiniMax

This series offers the most efficient and cost-effective solution for mass production for 20/25mm complex parts, i.e medical parts, IT parts.



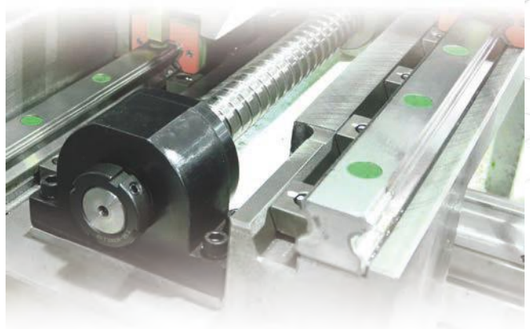
The tooling block consists of extensive 12mm turning and drilling tools. Maximum tooling capacity of 25 tools allows fast chip to chip times as there is very little movement from one tool to the next.



Milling tools with a variety of configurations

In addition, to meet the demand to produce complex parts, motorized tools are also provided as optional.

The standard milling head comprises of 9 live tools. Capacity is ER16 collet with 1.5 kw gear drive.



The machine is equipped with high precision, HIWIN linear guideways.

The use of 25mm rails throughout the machine increases stability and accuracy, and allows heavier cuts to be achieved.

I-42 Robo | 6+6 axis(Robo)
7(B)+6 axis(Robo)

I-42 Eco | 6 axis
7 axis(B)

Minimax 20i | 10 axis

I-42U | 12 axis
13 axis(B)
14 axis(BB)

I-42 Twin | 9 axis
10 axis(B)

I-42 Plus | 8 axis
9 axis(B)

Minimax 25i | 10 axis

Turret-Series

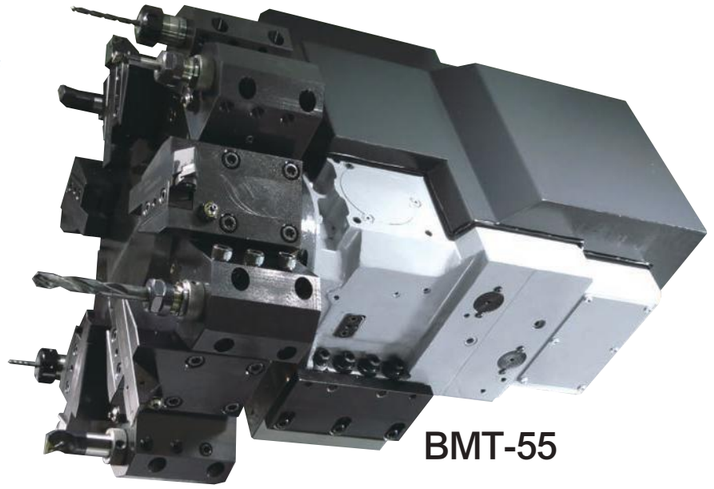
The Optimized technology in Compact Design

Engineered to handle heavy-duty turning applications with superb accuracy, the T8-Hybrid series extraordinary performance turning and milling centers combine extremely powerful high torque motors, large diameter power turrets and flexible gantry tooling to bring you the Ultimate machining power.

The T8 series will help you be more competitive by achieving faster cycle times with heavier cuts, faster machine movements, and allow cutting of tough material efficiently in a limited space.

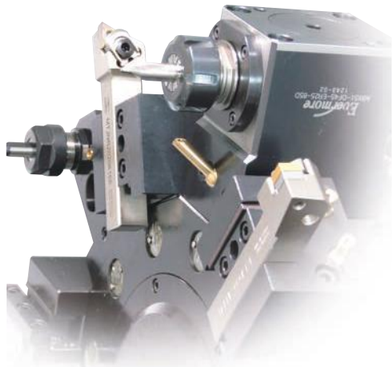
T8 Twin Hybrid

Turret with 12 stations can be additionally equipped with driven tools on six stations. In connection with the driven tools, the main spindle is C-axis functional for accurate positioning.

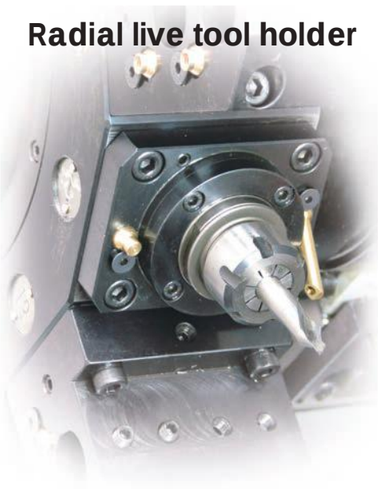


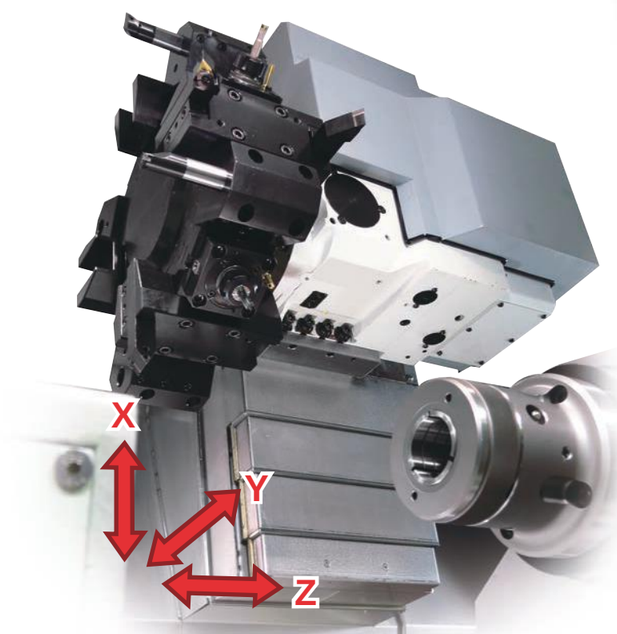
BMT-55

Axial live tool holder



Radial live tool holder





Y-axis

The turret is mounted on a secondary 75 degrees wedge saddle on top of the X-axis slide from one - piece casting. Both X & Y axes have extra wide hardened and linear ways to assure the rigidity and accuracy.

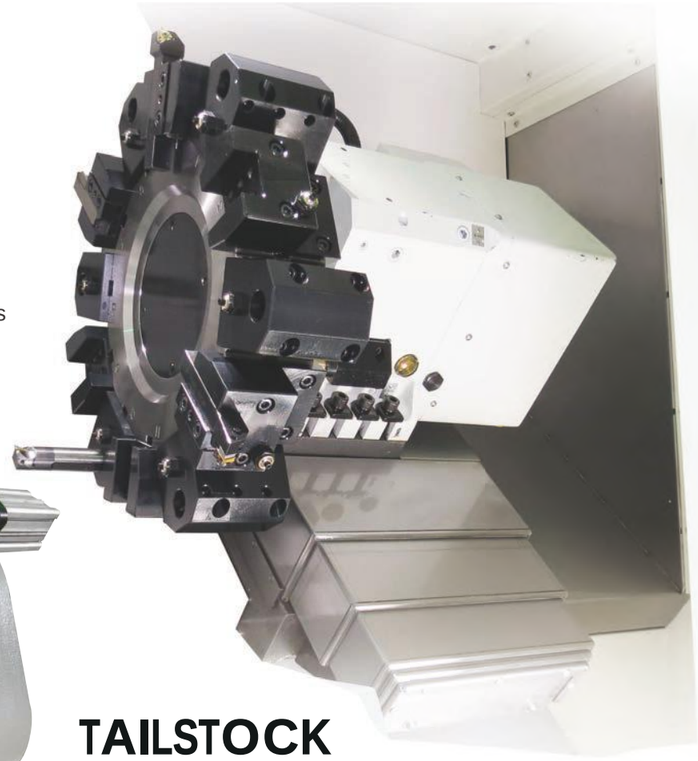
Y-axis control further enhances multi-tasking live tooling capabilities and improves various machining precision.

With Y-axis travel 80 mm=±40mm , a wide variety of parts can be efficiently machined.

T6 compact

BMT-55 Turret

This compact model will easily accomplish the demanding turning applications for mass production. A variety of options can fullfill this eco machine to achieve more requiremnts on the mass production.



TAILSTOCK

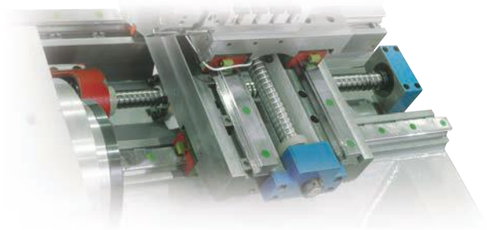
For the long length parts, the hydraulic tailstock is also provided.

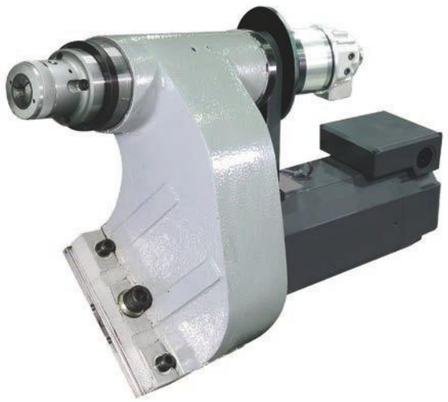
Linear Guideways

The machine is equipped with high precision, HIWIN linear guideways.

The use of 35mm rails throughout the machine increases stability and accuracy, and allows heavier cuts to be achieved.

All axes are equipped with digital drives that deliver feed velocities of 30m/ min.





T6 Twin

On top of having T6 – Compact features, this model also packed with sub spindle for more back machining. Furthermore, with available live tooling, and C-axis capabilities milling, turning application can be completed in one single machine.

T8-H	13 axis
T8-HY	14 axis (YB)

T8-TWIN T8-TWINY	9 axis 10 axis(Y)
T8-Classical	4 axis 6 axis(M)

T6-Compact	4 axis 6 axis(M)
T6-Twin	9 axis

CNC Vertical
Machining Center-Series

Feature:

- Base and column are designed with great span between slideways for maximum stability.
- The short nose high speed spindle provides sensitive response with 4,000 rpm tapping operations.
- 36 / 48 meters rapid traverse on three axes greatly reduces machining time.
- Stable automatic tool change system not only reduces non-cutting time, but also extends spindle life.
- Rear chip removing design features excellent chip removing angle and large flow chip flushing system.

Q10

Table size	Travel
1200x500mm	X-axis 1000 mm Y-axis 600 mm Z-axis 600 mm

V10 / V12

Table size	Travel
1200x500mm 1300x600mm	X-axis 1000 / 1200 mm Y-axis 500 / 600 mm Z-axis 570 / 610 mm

Q5

Table size	Travel
620x420mm	X-axis 500 mm Y-axis 400 mm Z-axis 300 mm

Q6

Table size	Travel
700x420mm	X-axis 600 mm Y-axis 400 mm Z-axis 450 mm

Q7

Table size	Travel
800x450mm	X-axis 700 mm Y-axis 500 mm Z-axis 550 mm

Q8

Table size	Travel
1000x450mm	X-axis 800 mm Y-axis 500 mm Z-axis 550 mm

V13 / V15

Table size	Travel
1500x660mm 1800x660mm	X-axis 1300 / 1500 mm Y-axis 700 / 700 mm Z-axis 700 / 700 mm

V20 / V25

Table size	Travel
2300x750mm 2800x750mm	X-axis 2000 / 2500 mm Y-axis 850 / 850 mm Z-axis 710 / 710 mm

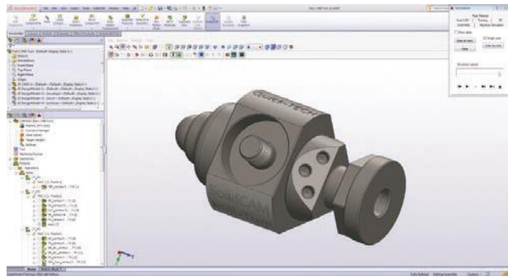
quicktech
ENGINEERING AUS DEUTSCHLAND

The new, revolutionary Milling technology
iMachining® by SolidCAM

SOLIDWORKS Certified Gold Product

SolidCAM
The Leaders in Integrated CAM
The Complete Integrated CNC Manufacturing Solution Inside SolidWorks

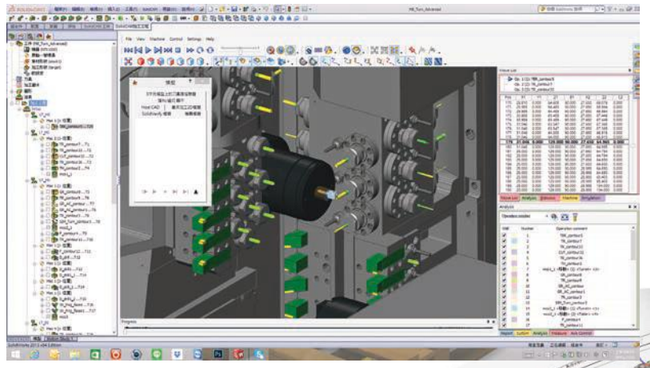
SolidCAM Mill-Turn for multiple turret and multiple spindle CNC machines



The fastest growing and most demanding class of CNC machines on the market today are multi-task machines, that combine several capabilities into one machine. Multiple spindles, multiple turrets, material being machined in multiple stages, transferring from spindle to spindle without handling, stock inserted at one end, finished parts coming out the other.
4/5-Axis Simultaneous Mill Turn machines have many uses and allow much more flexibility and capabilities, not offered from other machine configurations. With this in mind many of these have multi-axes, upper turrets, lower turrets, CYB and Sub Spindles.

SolidCAM has the advanced technology to support the programming of all the latest multi-function CNC machines, providing powerful programming tools that are easy to learn and use, with the ultimate in flexibility and configurability.

Mill-Turn Machine Simulation



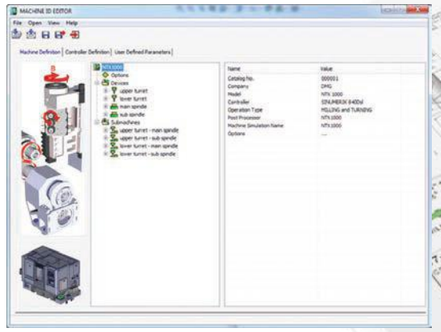
Mill-Turn machine simulation in SolidCAM offers a full kinematic simulation package, supporting simulation of all turning and milling operations and of all CNC machine components and devices.

An option enables taking the feeds into account and showing real time simulation.

The simulator offers full collision detection between machine components, workpiece, fixtures and tool holders, including many display options allowing the user full control over every aspect of the simulation.

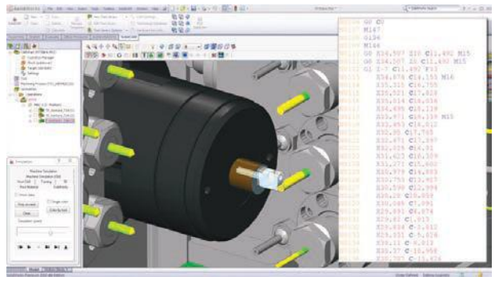
All the cycles and movements are supported along with the full graphics of the machine components and auxiliary devices such as tail stock and steady rest, providing safety as the part is fully tested before reaching the actual machine tool.

Machine ID



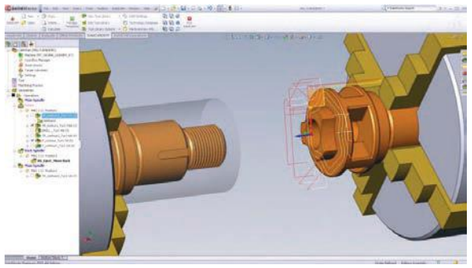
Defines the CNC machine components and their kinematics enabling users to setup and support the most complicated mill-turn machines easily and effectively. Machine axes are defined in machine ID by their direction, rotation speed or linear feed and physical limits.

C-Axis Machining



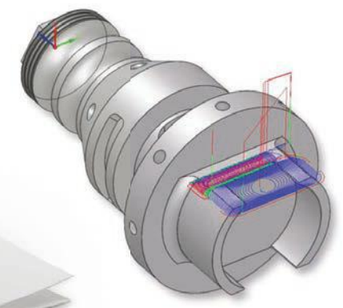
C-Axis machining is easily defined in SolidCAM. Convert any 2.5D operation to C-Axis motion. Advanced coordinate sets support: Split, Polar and Cartesian. Supports cutter compensation and short G-Code.

Transfer Between Spindles



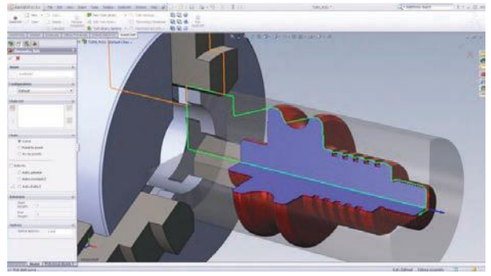
Fully and easily control the transfer of parts between the main and sub spindle, using Machine Control Operations. Ready made MCOs provide the best solution for this process

Mill-Turn iMachining



In a mill-turn part, using iMachining 2D & 3D saves you programming and cycle time. Additionally, iMachining has the very important advantage of exerting smaller cutting forces, eliminating vibrations and excessive tool wear, even in situations of non-rigid workpiece holding.

Auto-Inprocess Rest Material



In a Mill-Turn part, SolidCAM automatically updates and calculates the in process rest material after every operation, both in milling and turning.