OPTIONS	88NCR	88SG	88ATC
High Column 860	○	○	○
Halogen Lump 1灯	○	○	●
RPM ３０００ (without inverter & cooler)	○		
Main spindle Inverter (3.7 KW)	○		
Main Spindle inverter (5.5 KW)	○		
Oil Cooler	○	○	●
NT50 → BT50	●		
NT50 → BT50		●	●
Main Spindle Air Break	●	●	●
Chip Coil Conveyors	○	○	●
Partition	○	○	
Indicate Lump	○	○	●
Motor Power UP (5.5kw)	○		
Air Blow	○	○	●
External ＦＩＮ type M Signal Output	○	○	○
Contour Programming	○	○	○
Scale feedback X & Y axes	○	○	○
Portable type pulse handle	○	○	●
Add coolant nozzle	○	○	○
Positioning Block	○	○	○
ＰＣＭＣＩＡ Card Attachment	○	○	○
ＣＦ Card Adopter 20iFB	○	○	○
ＣＦ Card １２８ＭＢ	○	○	○
Installed Ethernet		○	○
Installed Ethernet (No Remote buffer)	○		
Designated color	○	○	○
Add 1 axis (synchronious 4 axes)	○	○	○
ＮＣ Options			
Part program storage Length 80m	●	●	●
Part program storage Length 160m	○	○	○
Part program storage Length 320m	○	○	○
Program memory × 125	○	○	○
Program memory × 200	○	○	○
Background compilation	●	●	●
Tool compensation × 64	○	○	●
Tool compensation × 200	○	○	○
Tool offset memory B	○	○	○
Tool offset memory C (D/H code)	○	○	○
Operating time, part numeric representation	○	○	○
FD Directory	○	○	○
Extended part program edit	●	●	●
Handle interruption	●	●	●
Program restart	○	○	○
Programmable data input (Ｇ１０)	●	●	●
Helical interpolation	○	○	○
Automatic corner override	○	○	○
Single direction positioning (Ｇ６０)	○	○	○
Rigid tapping	●	●	●
Scaling	○	○	○
Coordinate system rotation (Ｇ６８)	●	●	●
Custom Macro	○	○	○
Dynamic graphic display	○	○	○
Direct drawing dimension programming	○	○	○
Look - ahead control	○	○	○
Ａｉ Look - ahead control	○	○	○
Ａｉ Contour	○	○	○
Programmable mirror image (G51,1 G50,1)	○	○	○
Remote buffer		○	○
Remote Buffer (No Installed Ethernet)	○		

Specification (ATC/SG/NCR)

Working Surface
1400x600
Loading Capacity
1,000kg
Table T-Slot Width & Pitch
18(h7)mm, 100mm
Number of T-Slot
6
X & Z axes travel
1,000mm × 660mm
Travel Y(Spindle Vertical)
820mm
Spindle nose to table top
min :9mm max :669mm
Distance from floor to table top
820mm
Max Spindle Speed
3,000min^{-1}/ 3,000min^{-1} / 2,000min^{-1}
Z Axis Travel (Spindle Vertical)
7/24 Taper ISO No.50
Cutting Feed Rate (Auto)
0～4,000mm/min
Rapid Traverse
6,000mm/min
Rapid Traverse Y (Spindle Vertical)
6,000mm/min
Control
FANUC System 20iFB
Functions
Manual＋Guidance＋NC Program
Axes controlled
3 axes
Motor Power: Main Spindle
7.5kw / 3.7kw (5.5kw) / 7.5kw
Motor for X axis feed
1.8kW AC Servo
Motor for Y axis feed
1.2kW AC Servo
Motor for Z axis feed
1.2kW AC Servo
Motor for sliding surface oil pump
23W
Required Power
24kVA / 21kVA / 10kVA
Required Floor Space
3600mm x 3350mm x 2500mm/ 3165mm x 2895 x 2411mm
Weight
6800kg / 5300kg / 5300kg

○ Option ● Standard equipment

株式会社 山崎技研
YAMASAKI GIKEN CO., LTD.
TEL. 86(887)57 6222 FAX.86(887)57 6223
HP: http://www.yamasakigiken.co.jp/
E-mail: n.yamasaki@yamasakigiken.co.jp

YZB-88 Series

CNC Horizontal Milling Machine

Stroke X axis : 1000mm Y axis : 820mm Z axis : 660mm Table size : 1400mm X 600m

Manual Operation | NC Program | Synchronous Tap | Guidance Function | Teaching/ Playback | ATC30

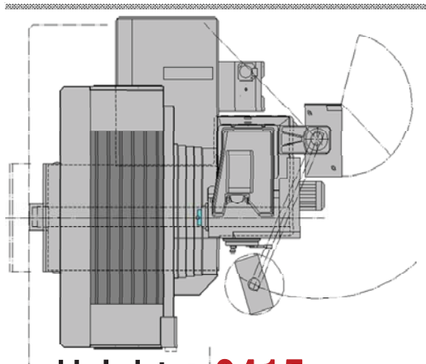
*NCR-disabled

＊88ATC

Open Style

- Because it is an open type machine, work piece that size is over table size can be loaded !
- The work arrangement can be done less stressfully and more freely.
- Easy access to the work piece on the table !
- Easy crane operation. Less worry of hitting work piece on the machine.
- It requires less floor space while it has sufficient machine travel .

Required Floor Space

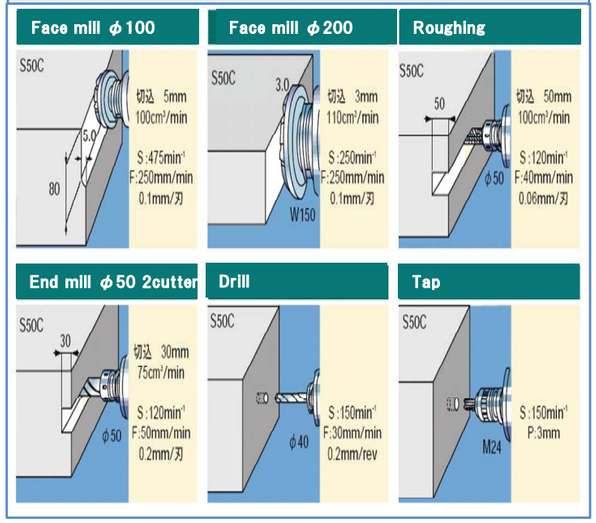


3165
(3350)

Height : 2415

2895(3600) ※(ATC)

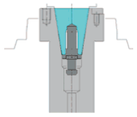
YZB-88NCR Cutting Ability 2000min^{-1} 3.7kW



Basic Structure

MainSpindle

●It is suitable for heavy cutting & it promises high accuracy finish.



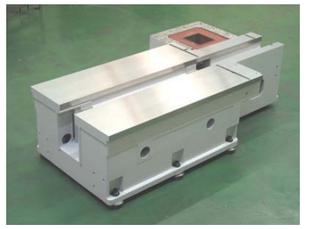
●BT50 type tool attachment can make tool change easy & quick. (Optional)

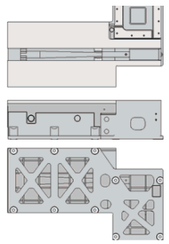
●Digital servo motor + 2 shift gear system can generate great torque

●Spindle motor which can be heat source is located away from spindle. This keeps accuracy more stable.

Box Shaped Bed

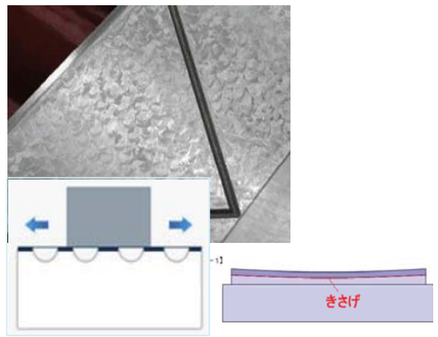
●The bed has the symmetrical box center guide system.
●The wide guide ways promise long-term high accuracy maintenance.
● All axis guides and sliding surfaces undergo scrape finishing by the hand of skilled workers.





Scrape finishing

Scrape finishing supports long-lived high accuracy.



•The reason that our milling machines are loved long, is hidden and invisible in sliding surfaces and surface under the column.

•That hand finish called the scrape finishing improves the machine's precision in micron level that machining cannot achieve.

•Because all of the sliding surfaces are scrape finished, the long term high accuracy and long operating life are promised

Mono-Lever / Manual Handles / Debag Handle

X axis & Y axis handles are independent and simple to use. One mono-lever allows operator to cut and feed as well as fast-feed from left to right and front to back as desired even by one hand.

Not only it moves each axis smoothly, but also you just push down the mono-lever to the desired direction for easy simple manual machining.

The yellow-green handle moves 2 axes of X Y simultaneously. Program debug check can also be very easily done with this handle. (3 axes machines) The feeding speed is linked to the speed of turning the handle, so it is convenient when prudent machining is necessary such as checking the interference of the tool.

【Machining work piece that is over table size】

【Machining of Box-Shaped work】

【High chip discharge ability】

Easy Operation like General Purpose Machines

◆RPM inverter
The dial can control spindle speed, stop and spindle brake with the independent buttons on panel.

◆Mono-Lever
It is like the joy-stick !
Set the feed rate & start machining.

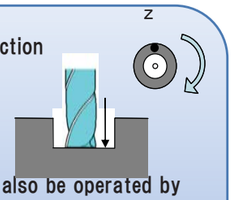
Convenient Rapid feed button on it

◆Manual Handles
Each axis has Independent handle.
The yellow-green handle features
①2 axes simultaneous move
②program debug check
③synchronous tapping

◆Zero Reset Buttons
Zero-reset whenever & wherever like general-purpose machine!

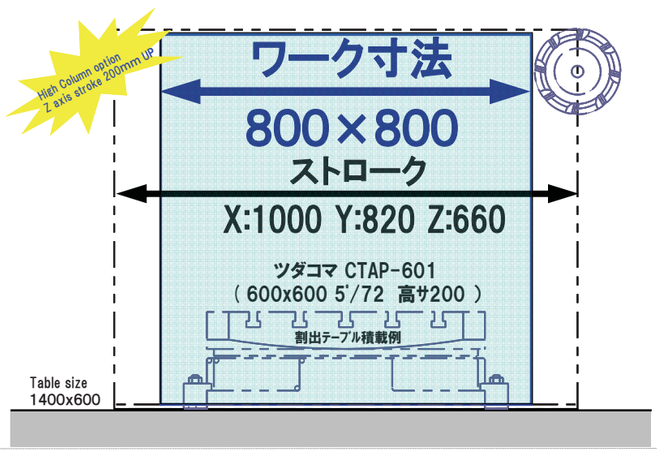
Easy setting of the datum point

◆Limit cutting function



Limit Function can also be operated by the yellow-green handle. It allows axes to move within the range that have been input.

- Its travel covers 800mm x 800mm work piece (high 1000mm x 1000mm)
- Less required floor space than 800×500 type machining center.
- Index table can be installed with simultaneous 4th axis control option.

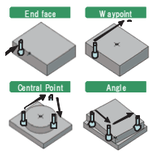


【Machining of 800 x 800 Box-Shaped work】

Guidance Function

What is the guidance function??

- Just choose a function & Input Numerical Values
- Enable to decrease number of tools by cutter compensation function
- Measurement Function calculates the datum point instantly
- Contour Programming (Option) corresponds most of 2D work



- The following map indication
- Coordinate value automatically calculated
- Data is not deleted even after the power is turned off.