

# 5 Whys YASDA

5 whys - To understand YASDA

## 1 Why is YASDA still doing hand scraping?

The hand scraping technique was first introduced during the industrial revolution in England for finishing sliding or datum surfaces. Due to technical advancements and quality improvements, processing machines have taken the place of this old technique. Nevertheless, we believe that the components finished by processing machines are less accurate than the machine accuracy created by hand scraping since hand scraping is the principle of manufacturing. This technique maintains the accuracy of every YASDA machine.

**For YASDA, giving up hand scraping is synonymous with giving up manufacturing.**



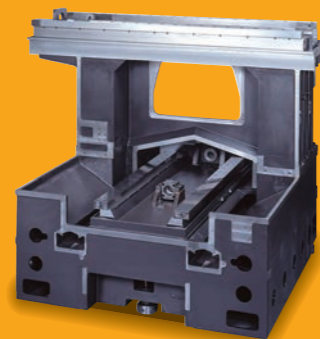
# 5 Whys

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## 2 Why are there many repeat customers in spite of expensive machines?

The guide ways, mounted on the meticulously hand scraped surfaces, not only result in high precision and high rigidity but also influence the long service life of the machine. There are many YASDA machines in use all over the world, many of which are older than 20 years yet they have still kept high accuracies.

**Existing users select YASDA repeatedly after looking at the initial investment cost once they consider overall performance.**



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## 3 Why has YASDA maintained the size of the company for so many years?

YASDA has consistently improved the performance of products and its production volume has increased each year. Meanwhile we use YASDA machining centers in our production. Despite this increase in production volume, improved productivity due to the performance and high accuracies of the YASDA factory machines is one of the reasons that YASDA has been able to maintain approximately 300 employees for many years.

**We keep on improving YASDA products and productivity in the factory by using YASDA products.**



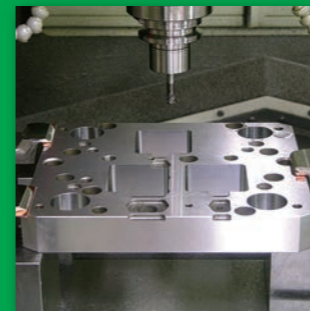
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## 4 Why did YASDA name its machining centers CNC jig borers?

We named our machining centers jig borers, which are subject to only a few microns positioning accuracies, because we are confident of their quality and preciseness. The main task of the jig borer is to finish bores with high precision. Boring is an essential manufacturing technique and it is necessary all the time for manufacturing.

**YASDA machining centers are capable of high precision boring that fulfills jig borer accuracy.**



# 5 Whys

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## 5 Why does YASDA aspire to be the best, rather than to increase the size of its business?

We manufacture each machine with strong enthusiasm. Our greatest moment is when our users experience that enthusiasm. We believe only the best product inspires customers.

**We will continue to provide our customers' with satisfaction and excitement...**



# YASDA

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# CNC JIGBORER, MICRO CENTER

1 Travel X,Y,Z 2 Table working surface 3 Spindle speed range 4 Tool storage capacity (Standard)

CNC JIGBORER  
**YBM 640V** Ver.IV

MOLD & DIE MILLER

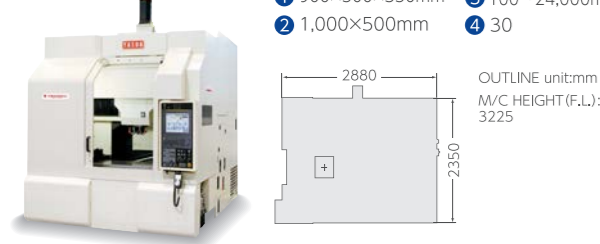
1 600×400×350mm 3 100~24,000min<sup>-1</sup>  
2 700×450mm 4 30



CNC JIGBORER  
**YBM 950V** Ver.IV

MOLD & DIE MILLER

1 900×500×350mm 3 100~24,000min<sup>-1</sup>  
2 1,000×500mm 4 30



MICRO CENTER  
**YMC 430** Ver.III

Linear Motor Drive

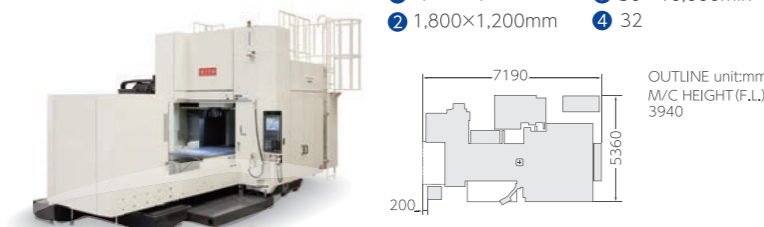
1 420×300×250mm 3 200~40,000min<sup>-1</sup>  
2 600×350mm 4 32



CNC JIGBORER  
**YBM 1218V** Ver.II

MOLD & DIE MILLER

1 1,800×1,200×600mm 3 50~10,000min<sup>-1</sup>  
2 1,800×1,200mm 4 32



CNC JIGBORER  
**YBM 9150V** Ver.II

MOLD & DIE MILLER

1 1,500×900×450mm 3 100~24,000min<sup>-1</sup>  
2 1,500×900mm 4 60



MICRO CENTER  
**YMC 650**

Linear Motor Drive

1 600×500×280mm 3 200~40,000min<sup>-1</sup>  
2 700×550mm 4 32

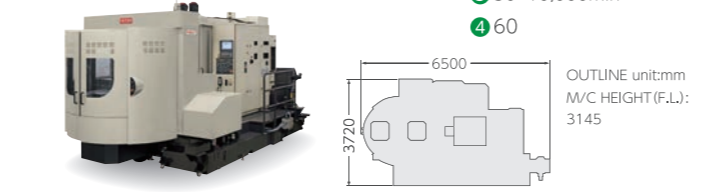


# PRECISION CENTER

1 Travel X,Y,Z 2 Table working surface 3 Spindle speed range 4 Tool storage capacity (Standard)

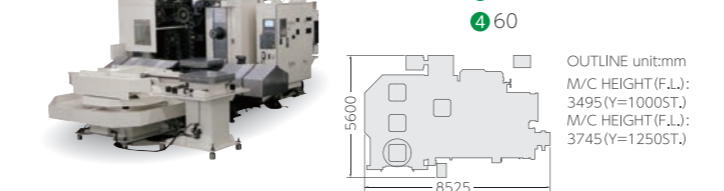
PRECISION CENTER  
**YBM 7T**

1 950×800×800mm  
2 630×630mm  
3 50~10,000min<sup>-1</sup>  
4 60



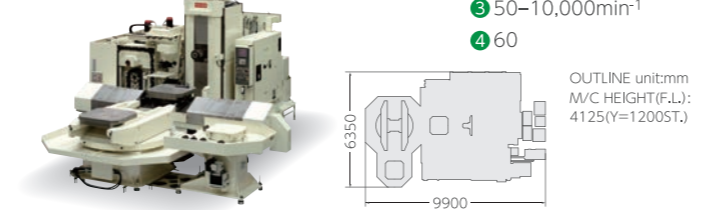
PRECISION CENTER  
**YBM 8T**

1 1,300×1,000×1,100mm  
2 800×800mm  
3 50~10,000min<sup>-1</sup>  
4 60



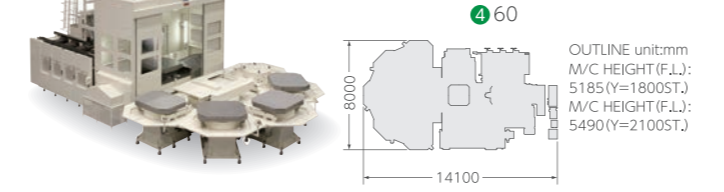
PRECISION CENTER  
**YBM 10T**

1 1,500×1,200×1,100mm (2,100×1,400×1,100mm)  
2 1,000×1,000mm  
3 50~10,000min<sup>-1</sup>  
4 60



PRECISION CENTER  
**YBM 15T**

1 2,100×1,800×1,500(W)300mm  
2 1,500×1,500mm  
3 30~2,800min<sup>-1</sup>  
4 60



# PRECISION CENTER 5-AXIS

1 Travel X,Y,Z 2 Table working surface 3 Min. table indexing angle 4 Spindle speed range 5 Tool storage capacity (Standard)

PRECISION CENTER  
**YBM 7Ti**

CNC 5AXIS CONTROL

1 1,250×1,000×1,100mm  
2 500×500mm  
3 0.0001 deg.  
4 50~10,000min<sup>-1</sup>  
5 60



PRECISION CENTER  
**YBM 8T-63TT**

CNC 5AXIS CONTROL

1 1,000×1,000×1,100mm  
2 630×630mm  
3 0.0001 deg.  
4 50~10,000min<sup>-1</sup>  
5 60



PRECISION CENTER  
**YBM 10T-100TT**

CNC 5AXIS CONTROL

1 1,500×1,200×1,100mm  
2 1,000×1,000mm  
3 0.0001 deg.  
4 50~10,000min<sup>-1</sup>  
5 60



PRECISION CENTER  
**YBM 10T-TH**

CNC 5AXIS CONTROL

1 1,500×1,500×1,800mm  
2 1,000×1,000mm  
3 0.0001 deg.  
4 60~6,000min<sup>-1</sup>  
5 60



PRECISION CENTER  
**H30i**

CNC 5AXIS CONTROL

1 650×560×560mm  
2 300×300mm  
3 0.0001 deg.  
4 200~20,000min<sup>-1</sup>  
5 60



PRECISION CENTER  
**H40i**

CNC 5AXIS CONTROL

1 875×740×685mm  
2 400×400mm  
3 0.0001 deg.  
4 200~20,000min<sup>-1</sup>  
5 60



CNC JIGBORER  
**YBM Vi40** Ver.II

MOLD & DIE MILLER

1 900×500×450mm  
2 φ400  
3 0.0001 deg.  
4 100~24,000min<sup>-1</sup>  
5 60



PRECISION CENTER  
**PX30i**

CNC 5AXIS CONTROL

1 680×400×500mm  
2 φ185  
3 0.0001 deg.  
4 100~20,000min<sup>-1</sup>  
5 323

