

## All-round Compact Cutting Machine

**ファインカット**  
FINECUT

**SS-33** ▪ General-purpose type  
▪ Special-purpose type for pins

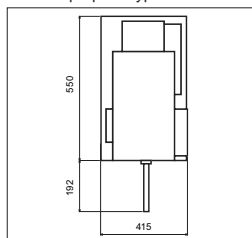


\* Image of general-purpose type

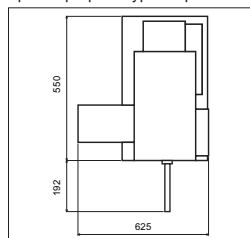
### Characteristics

- 1 Strong 1HP spindle motor enables use of a  $\phi 205\text{mm}$  cutting wheel.
- 2 New cooling method that more effectively cools down the cutting wheel at its minimum diameter.
- 3 Wide table that supports a variety of operations.
- 4 Equipped with machine stand with casters.
- 5 Vernier scales: 150mm, 300mm, and 500mm (optional specifications for general-purpose type).
- 6 Easy exchange of cutting wheel via designated space on the table.

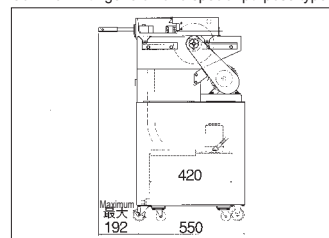
General-purpose type



Special-purpose type for pins



Common with general- and special-purpose types



**ファインカット**  
FINECUT

**SS-31** ▪ General-purpose type  
▪ Special-purpose type for pins

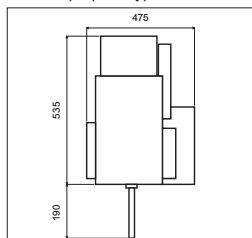


\* Image of general-purpose type

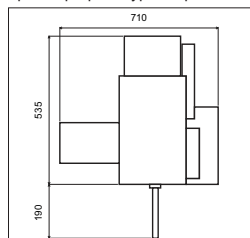
### Characteristics

- 1 Work table travel via rail.
- 2 No restriction of installation location as it utilizes a 100V power source.
- 3 Wide table that supports a wide variety of operations.
- 4 Supports up to  $\phi 160\text{mm}$  NASTON.
- 5 Vernier scales: 150mm, 300mm, and 500mm (optional specifications for general-purpose type).
- 6 Easy exchange of cutting wheel via designated space on the table.

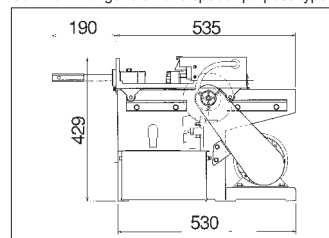
General-purpose type



Special-purpose type for pins



Common with general- and special-purpose types

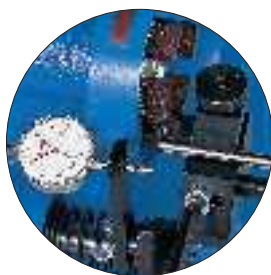


## Face Grinder

**FINE LIMITER LM-P LM-O**



LM-P



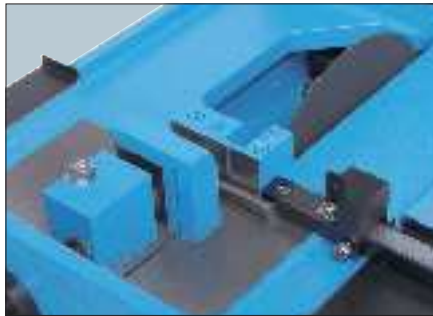
Grinding section

Face grinder for adjusting the length of the extruding pins of die.

### Characteristics

- 1 Cutting feeder scale enables cutting during measurements via a dial gauge.
- 2 Special-purpose segment grinding stones are free from clogging or burning, even in the case of the dry type.

## SS-33/31 Common Specifications



### General-purpose Type Vise

Double clamp system that reduces burrs and is provided with a 3mm-depth cutting wheel passage. Suits the cutting of small pieces of work and is equipped with a scaled 100mm measurement stopper on the right-hand side.



### Special-purpose Type Vise for Pins

Exclusively designed to cut the extruding pins of die. Equipped with a 300mm vernier scale on the left-hand side, measured cutting of a size of between 50mm and 300mm supported. Vernier scale 500mm (optional specification).



### Space to Exchange Cutting Wheel

A space to exchange the cutting wheel is provided on the table, thus realizing safe and quick exchanges of the cutting wheel without having to lift the table.



### Spindle Stopper for Exchanging Cutting Wheel

Spindle stopper provided in front of the belt cover on the right-hand side. The spindle can be locked without a special jig before exchanging the cutting wheel.



### Vernier Scale

Makes finely adjusting the position of the measuring stopper easily.

\* Optional specification for general-purpose type (optional specifications: 150mm, 300mm, and 500mm)  
\* 300mm comes with special-purpose type for pins (optional specification: 500mm)

## Standard Specifications ( Specification for using in Japan )

	SS-33	SS-31
Standard cutting capacity	□ pipe 30mm, ● solid bar 25mm, ▬ plate 10mm x 75mm	□ 20mm pipe, ● solid bar 15mm, ▬ plate 5mm x 80mm
Work table travel	140mm (manual)	130mm (manual)
Jaw opening size	0-75mm slide type	0-80mm slide type
Spindle revolutions per minute	2500/3000rpm・50Hz/60Hz	3000/3600rpm・50Hz/60Hz
Diameter of cutting wheel	φ205mm/φ25.4mm	φ160mm・φ150mm/φ25.4mm
Spindle motor	AC200V・3 phase・4P・0.75kW	AC100V・single phase・4P・400W
Coolant pump, Tank	AC200V・3 phase・40W, 30liters	AC100V・single phase・10W, 4.5liters
Dimensions (W x L x H)	410mm x 740mm x 1040mm	450mm x 720mm x 430mm
Machine weight	80kg	54kg
Accessories	1 set of scales, 1 set of cutting wheels for testing, pin face wrench, FINECOOL, and 1 set of Paper Filters	1 set of scales, 1 set of cutting wheels for testing, pin face wrench, FINECOOL, and 1 set of Paper Filters

\*If need to change power supply such as voltage, please contact

## Standard Specifications ( Specification for using in Japan )

	LM-P	LM-O
Maximum pin diameter	● solid bar 2-20mm	● solid bar 10-30mm
Maximum pin length	40-250mm	40-250mm
Spindle motor	AC100 V・single phase・2P・200W	AC100 V・single phase・4P・400W
Spindle revolutions per minute	2890/3460rpm・50Hz/60Hz	2580/3090rpm・50Hz/60Hz
Grinding graduations	1/100mm	1/100mm
No. of settings	1 pin	1 pin
Dimensions (W x L x H)	450mm x 610mm x 300mm	470mm x 610mm x 320mm
Machine weight	30kg	42kg
Accessories	1 set of dial gauges, 1 set of segment grinding stones (medium mesh), pin face wrench, and box wrench	

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### Segment Grinding Stone

Type	Finished Surface	Characteristics
Medium mesh	Medium	● Hard and soft ferrous alloys ● Suitable for the precision cutting of cast iron, stainless steel etc.
Fine mesh	Fine	● For use with difficult-to-cut materials such as tool steel, die steel, and hardened alloys

## Segment Grinding Stone



**LM-P**  
Segment Grinding Stone for LM-P  
6-piece set

Medium mesh  
Fine mesh

B-6-6  
B-12-6

**LM-O**  
Segment Grinding Stone for LM-O  
8-piece set

Medium mesh  
Fine mesh

B-6-8  
B-12-8

# Cutting Counseling Service



FAX

TO: HEIWA TECHNICA,  
FINE CUT SALES

81-(0)46-255-5840

If you have any inquiries, please feel free to contact us!  
Please copy this page and fill up following:

Name

Company name

Department

Address

Country

T E L :

F A X :

e-mail :



•Please select as below:

- ☐ Send your products catalogue
- ☐ Select a suitable cutting machine
- ☐ Select a suitable cutting wheel
- ☐ Would like to see demonstration
- ☐ Free test-cutting my work piece and provide test-cutting data
- ☐ Paid test-cutting my work piece and provide test-cutting data
- ☐ Any other requests

• Please inform us current cutting method (→☐New)

• Purpose of cutting

- ☐ QC, Checking, study
- ☐ Production

QTY

Work piece, conditions

Material	
Size	
Precision	
Machine, model name	
Current cutting wheel	
Process condition	

•Please write your concerns as bellows:

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