

# HOLYTEK

I SVERIGE AB  
SE-512 91 Sexdrega  
Tel +46 325 625547

## Industrial Knife Grinders

### ENJOY YOUR SHARPENING WITH US.

ENJOY YOUR SHARPENING WITH US is our utmost goal. With professional experiences for over 25 years, we make each knife grinder highly accurate, practical and durable which is well approved by customers in both domestic & export markets.

Always better than ever, we develop new models while improve the existent ones. Get all good quality knife grinders just you need from our complete range and enjoy your sharpening!



JF-180 work table with  
Linear motion slide ball bearing

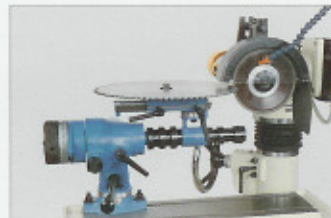
#### ► JF-180 Standard Attachments:



Grinding carbide knife

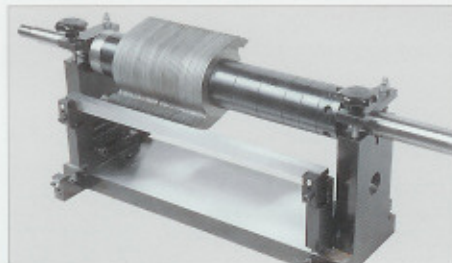


Grinding router bit:  
(Simple type) NEW



Grinding carbide saw:  
(Simple type) NEW





JF-400  
Setting device with one arbor  
for finger jointer cutter

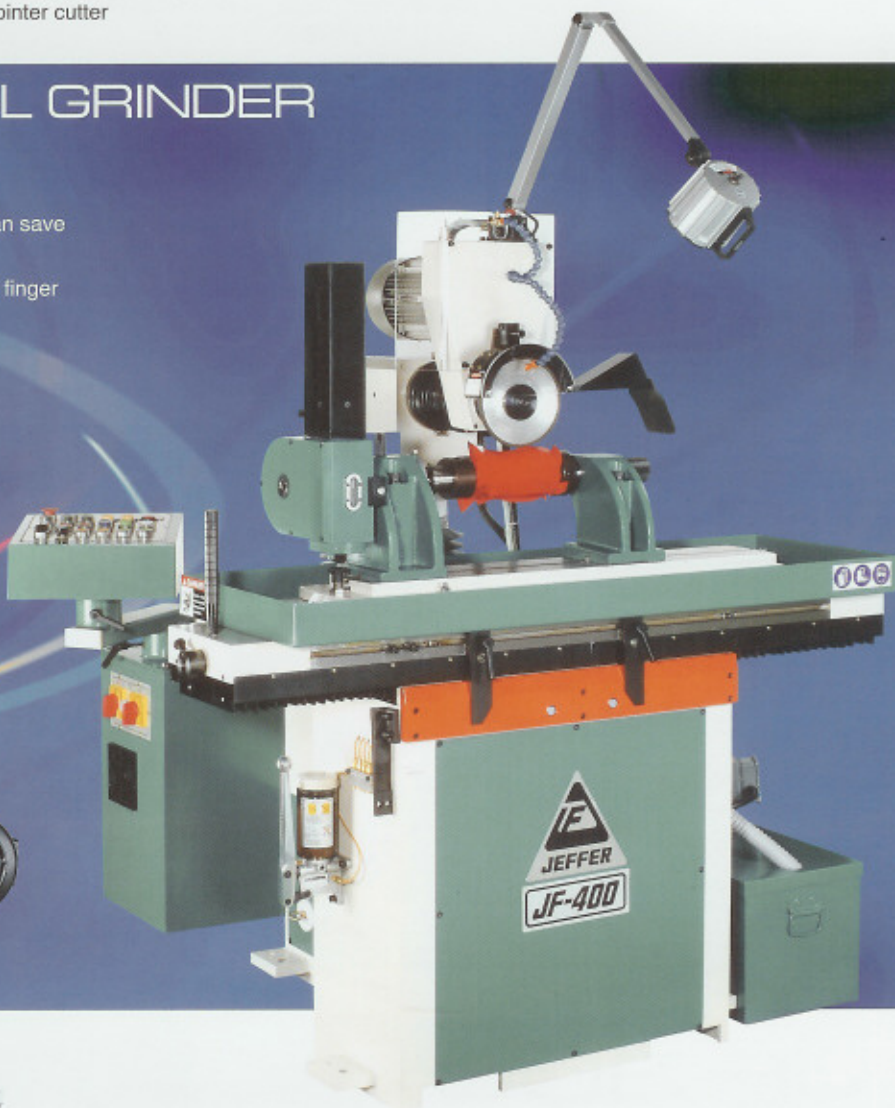


Rotation angle of worktable

# JF-400

## AUTOMATIC TOOL GRINDER

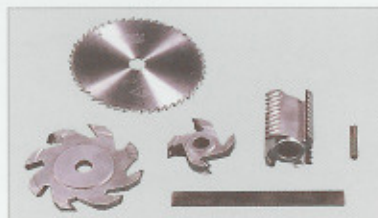
- This is a machine fully automatic controlled.
- It is superior machine, which is easy to operate and can save manpower. Grinding just needs setting once.
- It could be used to grind carbide cutter, router bits and finger jointer cutter very precisely.



# JF-180

## CARBIDE TOOL GRINDER

- For general knives with low volume and lots of variety.
- Economical and efficient for cutters and with three additional functions. (Photos shown at left side)
- Both wheel guard and coolant tank are stainless steel.



JF-180 Grinding examples:

- Grooving cutter • Moulding cutter
- Router bit • Carbide saw • Carbide knife



- For general knives with low volume and lots of variety.
- High accuracy for cutters and with three additional functions.
- Parallelism of work table  $\pm 0.01\text{mm}$  and with good durability.
- Both wheel guard and coolant tank are stainless steel.

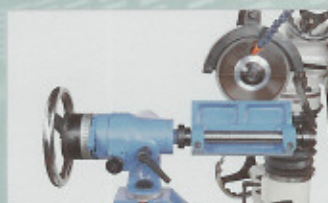


JF-200 work table with Linear bearing cross roller rail sets

## JF-200 CARBIDE TOOL GRINDER



Standard Attachments:  
Grinding carbide saw: (Simple type) NEW



Grinding carbide knife



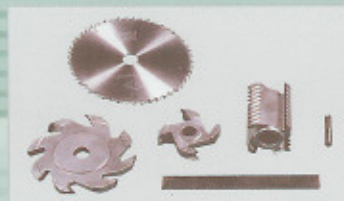
Grinding router bit: (Simple type) NEW



JF-200 Special attachment:  
Dividing head seat & tailstock  
(For longer cutter, finger jointer cutter)



Special attachment:  
Dividing head seat (For router bit)



JF-200 Grinding examples:

- Grooving cutter
- Moulding cutter
- Router bit
- Carbide saw
- Carbide knife

## JF-300 CUTTER GRINDER

- Special design for grinding moulder cutters of 4-side.
- Heavy and stable construction makes it durable & accurate.
- Parallelism of work table  $\pm 0.01\text{mm}$  and with good durability.
- Can grind carbide router bits by router bit chuck.
- Both wheel guard and coolant tank are stainless steel.



- Longitudinal rod screw of worktable
- Grinding wheel lift rod screw



- JF-300 standard attachments:
- Cutter spindles of  $\varnothing 1"$ ,  $\varnothing 40\text{mm}$ ,  $\varnothing 50\text{mm}$  each
  - Router bit chuck with one collet







JF-280 Eccentric device system



JF-280 Index finger system



JF-280 work table with  
Linear bearing cross roller rail sets

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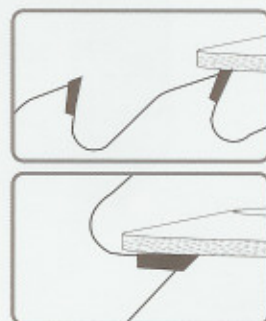
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## JF-280 CARBIDE SAW GRINDER

- Specially designed for grinding carbide saws easily and efficiently.
- High accuracy and easy set-up of center of the blade thickness.
- Parallelism of saw seat  $\pm 0.005\text{mm}$  and with good durability.
- Both wheel guard and coolant tank are stainless steel.



## JF-286

## CARBIDE TIP-TEETH SAW GRINDER

A reliable accurate sharpener at an extremely attractive price.

JEFFER accumulate professional manufacture experience on grinder for many years. It produce Top & Face grinder for promote user work efficiency. This manual machine is ideal for those starting out or established sharpening facilities. Loaded with features - it can be used to do the entire load or supplement other machines. The manual CARBIDE TIP-TEETH SAW GRINDER for you.



# JF-330

# PROFILE GRINDER (1:1)



JF-330 Micro-adjustment for wheel head angle



- Work table back-front, left-right are moved with Ø9, Ø6mm linear bearing cross roller rail sets, accuracy  $\pm 0.005\text{mm}$ , grinding length is up to 250mm.
- Grinding wheel head is micro-adjustable and accurate, 3HP variable speed motor is powerful for grinding.
- Knife edge angle is adjusted by dovetail arc groove, grinding center is never changed no matter what the angle is. Easy and efficient to operate.
- Water splash guard and coolant tank are stainless steel.



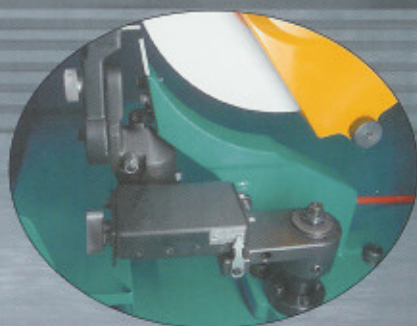
JF-330 Standard attachments: Cutter spindles of Ø1", Ø40mm, Ø50mm each



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## JC-312 PROFILE GRINDER (1:1)



JC-312 Wheel Dresser

- Work table back-front, left-right are moved with Ø9, Ø6mm linear bearing cross roller rail sets, accuracy  $\pm 0.005\text{mm}$ , grinding length is up to 300mm.
- Water splash guard and coolant tank are stainless steel.
- Side clearance angle :  $5^\circ$ ,  $10^\circ$  and  $15^\circ$
- Back relief angle :  $10^\circ$  to  $30^\circ$



JC-312, JF-330. Work table with linear bearing cross roller rail sets



JC-312 Center-gauge



JC-312 Standard attachments: Cutter spindles of  $\text{Ø}1"$ ,  $\text{Ø}40\text{mm}$ ,  $\text{Ø}50\text{mm}$  each



JF-502 (revised from JF-500)

• For shoe's bottom peeling knife & filament cutting knife



JF-502 Coarse wheel grinding  
(Size  $\varnothing 255 \times 19 \times \varnothing 25.4 \text{mm}$ )



JF-502 Fine wheel grinding  
(Size  $\varnothing 100 \times 50 \times \varnothing 15.88 \text{mm}$ )



## JF-500

### AUTOMATIC KNIFE GRINDER

(Knife moveable version)

#### JF-500 JF-900

- High power of grinding wheel to achieve fast grinding and minimize grinding time, too.
- Economical and efficient to obtain flat, straight and nor annealed knives.
- Parallelism between knives holder (or Magnetic chuck - optional) and bed rail  $\pm 0.025 \text{mm}$ .
- Splash guard and coolant tank are stainless steel.

## JF-900

### AUTOMATIC KNIFE GRINDER

(Knife moveable version)



JF-500, JF-900 Grinding examples:

- Plastic crusher knife
- Plastic bag cutting knife
- Chipper knife
- Planer knife





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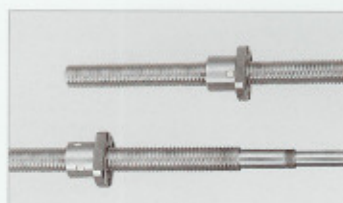
Industrial Knife Grinders

(FOR SUPER FINISH)

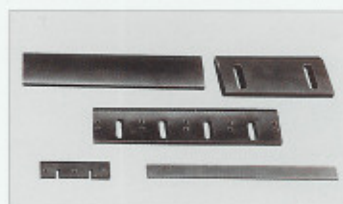
## AUTOMATIC KNIFE GRINDER

(Knife moveable version)

### JF-650



JF-650 Grinding wheel up-down movement with ball screw sets



JF-650 Grinding examples:

- Planer & jointer knife
- Shoe's bottom peeling knife
- Filament cutting knife
- Super surfacer knife
- Power tool blade
- Herbs cutting knife

- Can obtain good, sharp knives by using a fine grinding wheel after a rough one.
- Force cooling system gets knives neither heated, transfigured nor annealed.
- Grinding wheel up-down movement with ball screw sets which obtain accurate and best result.
- Parallelism between knives holder (or Magnetic chuck, optional) and bed rail  $\pm 0.01\text{mm}$ , high accuracy and good durability.
- Splash guard and coolant tank are stainless steel.



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JF-1600 Grinding examples:

- Paper cutting knife
- Single side cutting knife
- Veneer cutting knife
- Planer knife



Industrial Knife Grinders

(FOR SUPER FINISH)

## AUTOMATIC KNIFE GRINDER

(Wheel moveable version)

# JF-1600



JF-1600 Grinding wheel back-front movement with ball screw sets

- Can obtain good, sharp knives by using a fine grinding wheel after a rough one.
- Force cooling system gets knives neither heated, transfigured nor annealed.
- Grinding wheel back-front movement with ball screw sets which obtain accurate and best result.
- With magnetic chuck parallelism  $\pm 0.03\text{mm}$  and high accuracy.
- Equipped with variable speed motor for fine grinding wheel to grind high speed steel knives and carbide knives.
- Splash guard and coolant tank are stainless steel.



## Basic standard accessories:

- Grinding wheel 1 pc (on the machine)
  - Coolant oil 2 litre
  - Tools 1 set
  - Operation manual
- \* One year after service guarantee is applied to all our products.

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## SPECIFICATIONS:

MODEL	JF-400	MODEL	JF-180	JF-200 / JC-250	MODEL	JF-280	JF-286
Grinding capacity	Carbide Cutters (dia. x W)	Carbide Cutters (dia. x W)	Carbide Cutters (dia. x W)	Carbide Cutters (dia. x W)	Grinding capacity (Min. x Max.)	Grinding capacity (Min. x Max.)	Grinding capacity (Min. x Max.)
	Finger joint cutter	Finger joint cutter	Finger joint cutter	Finger joint cutter		Grinding wheel size (dia. x bore)	Grinding wheel size (dia. x bore)
	Bore	Bore	Bore	Bore		Speed of grinding wheel	Speed of grinding wheel
	Length of set	Length of set	Length of set	Length of set		Motor	Motor
Router bits shank	Router bits shank	Router bits shank	Router bits shank	Router bits shank			
Work table (max.)	Work table (max.)	Work table (max.)	Work table (max.)	Work table (max.)			
Grinding wheel size (diameter x bore)	Grinding wheel size (diameter x bore)	Grinding wheel size (diameter x bore)	Grinding wheel size (diameter x bore)	Grinding wheel size (diameter x bore)			
Speed of grinding wheel	Speed of grinding wheel	Speed of grinding wheel	Speed of grinding wheel	Speed of grinding wheel			
Motor	Grinding wheel	Grinding wheel	Grinding wheel	Grinding wheel	Electric system	Grinding wheel	Grinding wheel
	Cooling system	Cooling system	Cooling system	Cooling system		eccentric motor	eccentric motor
	Automatic table	Automatic table	Automatic table	Automatic table		cooling system	cooling system
	Dividing head servo	Dividing head servo	Dividing head servo	Dividing head servo			
Grinding wheel up & down	Grinding wheel up & down	Grinding wheel up & down	Grinding wheel up & down	Grinding wheel up & down			
Machine size (L x W x H)	Machine size (L x W x H)	Machine size (L x W x H)	Machine size (L x W x H)	Machine size (L x W x H)			
Packing size (L x W x H)	Packing size (L x W x H)	Packing size (L x W x H)	Packing size (L x W x H)	Packing size (L x W x H)			
Net weight	Net weight	Net weight	Net weight	Net weight			
Gross weight	Gross weight	Gross weight	Gross weight	Gross weight			

MODEL	JF-300	JC-312	JF-330
Grinding capacity	Cutters (dia. x w) ø16"x12"	H.S.S. cutterhead (dia. x w)	Carbide Cutters (dia. x w) ø10"x10"
	Router bits (shank) ø1/4"-3/4"	ø12"x12"	H.S.S. cutterhead (dia. x w) ø10"x10"
Work table (max.)	14" (355mm)	Left-right	Left-right
		Back-front	Back-front
Grinding wheel size (dia. x bore)	diamond wheel ø175xø16mm	ø255x6xø31.75mm	ø255x5xø60mm
Speed of grinding wheel	5000 R.P.M. (60HZ)	1720-2940 R.P.M. (60HZ)	1500-4200 R.P.M. variable speed (60HZ)
Motor	Grinding wheel	2 HP	3 HP
	Cooling system	1/8 HP	1/8 HP
Electric system	magnetic switch	magnetic switch	magnetic switch
Machine size (L x W x H)	45"x46"x63" (1140x1170x1600mm)	43"x48"x55" (1100x1220x1400mm)	41"x44"x59" (1040x1120x1500mm)
Packing size (L x W x H)	52"x50"x67" (1330x1270x1710mm)	53"x53"x62" (1350x1350x1570mm)	48"x48"x65" (1220x1220x1650mm)
Net weight	550kgs (1210 lbs)	940kgs	810kgs
Gross weight	750kgs (1650 lbs)	1100kgs	960kgs

MODEL	JF-500	JF-900	JF-650	JF-1600
Grinding capacity (L x W x T)	24"x5"x5/8" (610x127x16mm)	36"x5"x5/8" (915x127x16mm)	26"x3"x3/8" (660x76x9.5mm)	63"x6"x3/4" (1600x153x19mm)
Grinding wheel size (dia. x H x bore)	ø6"x3 1/2" (ø150x90mm)	ø6"x3 1/2" (ø150x90mm)	coarse wheel	ø10"x5 1/4"xø1 1/4" (ø255x133xø31.75mm)
			fine wheel	ø6"x2 5/8"xø2" (ø150x85xø50.8mm)
Speed of grinding wheel	2800 R.P.M. (50HZ) 3400 R.P.M. (60HZ)	2800 R.P.M. (50HZ) 3400 R.P.M. (60HZ)	1400 R.P.M. (50HZ) 1700 R.P.M. (60HZ)	1700 R.P.M. (60HZ) 1480 R.P.M. (50HZ)
Motor	Grinding wheel	2 HP	3 HP	7.5 HP (4P)
	Automatic table	1/4 HP	1 HP	1 HP (4P/2P)
	Cooling system	1/8 HP	1/8 HP	1/8 HP
One shot lubrication	Yes	Yes	Yes	Yes
Electric system	magnetic switch	magnetic switch	magnetic switch	magnetic switch
Machine size (L x W x H)	44"x34"x53" (1120x870x1350mm)	87"x41"x61.5" (2210x1040x1560mm)	69"x27"x59" (1750x680x1500mm)	3800x1100x1550mm
Packing size (L x W x H)	50"x40"x61" (1270x1020x1550mm)	92"x46"x71.3" (2330x1170x1810mm)	75"x35"x69" (1910x880x1740mm)	3980x1280x1900mm
Net weight	270kgs (594 lbs)	450kgs (990 lbs)	620kgs (1364 lbs)	2300kgs (5060 lbs)
Gross weight	400kgs (880 lbs)	700kgs (1540 lbs)	820kgs (1804 lbs)	2700kgs (5940 lbs)

\* The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. without notice.