

# Precision Machinery

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**J01-J26**

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# Precision Machinery

**69000**

GT-C3

Portable Regular Chamfering Machine

**69010**

GT-R3

Portable Irregular Chamfering Machine



GT-C3

HITACHI



GT-R3

HITACHI

Specify voltage when ordering.

Model	GT-C3	GT-R3
Capability	0~3mm	
Speed	12000r.p.m	
Guide rail length	5.9A	
A.M.P.	110V/220V,1PH,50Hz/60Hz	
Voltage	Ø100mm	
Machine Size	300mmx160mm	
Pack Size	370mmx135mmx130mm	
Blade Spec.	SPMA090308	SPMA090308
Min. dia. for inside bevel	-	16mm
Weight	2.7kgs	2.5kgs

**69020**

GT-100C

Portable Regular Chamfering Machine



BOSCH

## Features:

- ▶ Adopting flat face mill cutting, swivel base angle to make cutter flute to be recycled used for cost reduction.
- ▶ Two adjustment function, the original L type (Fig. 1); the new for V type (Fig. 2).
- ▶ New V type is more energy saving, surface finish are much more smoother after chamfered.

Specify voltage when ordering.

Model	GT-100C
Capability(Original L type)	0~3m/m
Capability(New V type)	0~5m/m (Twice)
Table Size	100x70m/m
Motor	110V/220V,1PH,50/60Hz
Variable Speed	11000 r.p.m
Non-Loaded Motor	2800~11000 r.p.m
Blade Spec.	670W 6.0A
Speed	SPMW 0903 ADTR
N.W. / G.W.	2.4/2.8kgs
Pack Size	38cm x 13cm x 14cm

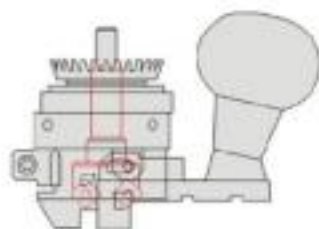


Fig. 1

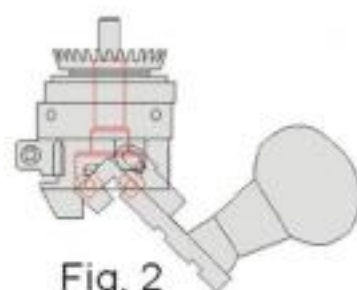


Fig. 2

**69030**

**GT-100R**

**Portable Irregular type Chamfering Machine**

**69040**

**GT-100CR**

**Portable Dual type Chamfering Machine**



Back



**GT-100R BOSCH**

Front



**GT-100CR** Dual-use body  
Fig 10

Specify voltage 110V/220V when ordering.

Model	GT-100R	GT-100CR
Capability(Original L type)	0~3m/m	
Capability(New V type)	0~5m/m (Twice)	
Speed	11000 r.p.m	
Variable Speed	2800~11000 r.p.m	
Table Size	100x70x8mm	
Guide Rail Length (100R)	∅100x30x6mm	
Min. Dia. (100R)	∅20mm	
Motor	110V/220V,1PH,50/60Hz	
Non-Loaded Motor	670W 6.0A	
N.W. / G.W.	2.4/2.8kgs	
Pack Size	38x13 x14cm	

NOTE:

GT-100CR install with fig. 1 for irregular chamfer

GT-100CR removes bearing and install with fig. 2 for regular cham

Above two function share the same body like fig. 10.

**Optional Accessories**

Order No.	Name	Spec.	Fig
69045-01	GT-100R Plate	∅ 100x∅30x∅6mm	①
69045-02	GT-100C Square	100x70x8mm	②
69045-03	Bearing	635ZZ	③
69045-04	GT-100R Tool		④
69045-05	GT-100C Tool		⑤
69045-06	GT-100R Insert 2R		⑥
69045-07	GT-100R Insert 3R		⑦
69045-08	GT-100C Insert	SPMW0903ADTR	⑧



Fig ①

Fig ②

Fig ③



2R Insert  
Fig ⑥

3R Insert  
Fig ⑦

Insert  
Fig ⑧

**Optional:**

Radius Chamfer  
only

Fig ④

Standard Blade

Fig ⑤

Examples:



Type V



Type V



Type L

# Precision Machinery

## 69050 GA200 Powerful Portable Chamfering Machine



### Features:

- ▶ Adopting concept of side mill cutting, rapidly shifting for inserts.
- ▶ Capable of chamfering any metal material.
- ▶ Adjustable swivel track from 15° to 45° for any angular chamfering demand.
- ▶ Chamfering capability 0~7C, 0~10mm/45°
- ▶ Track size : 200mm x 78mm x 9mm  
200mm x 45mm x 9mm
- ▶ Horsepower : 1HP
- ▶ Blade spec.: SPUN1203 x 9 pcs
- ▶ Product size: 36mm x 200mm x 260mm

Specify voltage when ordering.

Order No.	Model	Capability	Range	Speed	Voltage	N.W.	G.W.	Pack Size
69050	GA200	0~7mm (Twice)	15°~45°	3500r.p.m	220V/380V, 3PH,50Hz/60Hz	11kgs	13kgs	40.5cmx30cmx30cm

## 69060 GS250 Powerful Portable Chamfering Machine



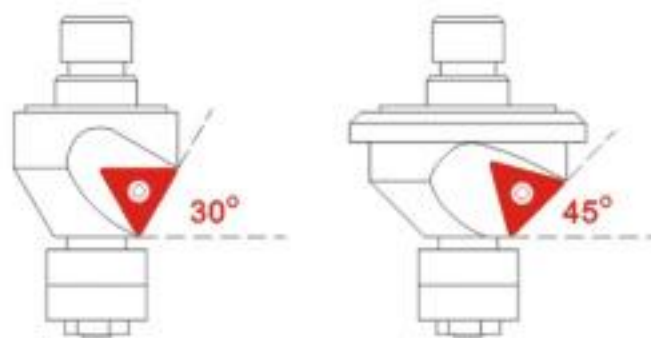
### Features:

- ▶ Adopting concept of side mill cutting, rapidly shifting for inserts.
- ▶ Capable of chamfering any metal material.
- ▶ Adjustable swivel track from 15° to 45° for any angular chamfering demand.
- ▶ Chamfering capability 0~14C, 0~20mm/45°
- ▶ Track size : 250mm x 75mm x 9mm  
250mm x 50mm x 9mm
- ▶ Horsepower : 2HP
- ▶ Blade spec.: SEKN120308 x 12 pcs
- ▶ Product size: 36mm x 200mm x 260mm
- ▶ Accessories: ∅61.5 x ∅22x12.8mm x 1pc  
∅61.5 x ∅22x11.3mm x 1pc

Specify voltage when ordering.

Order No.	Model	Capability	Range	Speed	Voltage	N.W.	G.W.	Pack Size
69060	GS250	0~14C, 0~20mm/45°	15°~45°	3500r.p.m	220V/380V, 3PH,50Hz/60Hz	24kgs	27kgs	55cmx42cmx32cm

**69070 GR60 Powerful Portable Chamfering Machine**



**Features:**

- ▶ Quick and effective solution for adding bevels and deburring.
- ▶ Variable speed for working with a variety of materials
- ▶ Uses standard triangle carbide inserts.
- ▶ Rapid shifting between 30° cutter and 45° cutter.
- ▶ Single chamfering capability is 2mm.
- ▶ Chamfering capability 0~6C, 0~8.5mm/45°
- ▶ Horsepower : 1200W
- ▶ Blade spec.: TCMT16T308 x 2 pcs
- ▶ Product size: 58mm x 37mm x 24mm

Specify voltage when ordering.

Order No.	Model	Capability	Range	Min. Dia. for inside chamfer	Speed	Voltage	N.W.
69070	GR60	0~6mm	45°(Optional30°)	∅20mm	3000~6000r.p.m	110V/220V, 1PH,50Hz/60Hz	4.6kgs (10.12lbs)

**69080 GA40 Portable Engraving Chamfering Machine**



**Features:**

- ▶ Portable type and variable speed for different material chamfering.
- ▶ Lower horsepower and high speed motor by carbon brush, suitable for soft material.
- ▶ Replaceable engraving handle for both engraving and grinding.
- ▶ Chamfering must be stable and applied with suitable speed, each processing better not exceed 1mm.
- ▶ Chamfering capability 0~14C, 0~20mm/45°
- ▶ Table size : ∅ 47mm x ∅ 17mm
- ▶ Non-Loaded Motor: 1/3HP 250W 0.8A
- ▶ Blade spec.: CPMT060204
- ▶ Hose spec.: 36" (91.44mm)
- ▶ Accessories: Engraving Handle with clamp (0~4mm)

Specify voltage when ordering.

Order No.	Model	Capability (Steel Iron)	Capability (Aluminum)	Speed	Voltage	N.W.	G.W.	Pack Size
69080	GA40	0~2C, (0~C/one time 1C)	0~2C	500~30000r.p.m	110V/220V, 1PH,50Hz/60Hz	2.7kgs	3.3kgs	34cmx27cmx14cm

PRECISION MACHINERY

# Precision Machinery

**69090**

**GB320**

**Sanding Wheel Type Chamfering Machine**



## Features:

- ▶ Apply sanding wheel for de-burr.
- ▶ Suitable for steel, cast iron and hardened parts.
- ▶ Burr occurred if applied on aluminum or soft iron.
- ▶ Easy to operate and safety
- ▶ Railway spec.: 320mm x 120mm x 12mm  
320mm x 28mm x 12mm
- ▶ Motor: 1HP
- ▶ Accessory: Sanding Wheel spec.  
∅165mm x ∅2mm (#60)
- ▶ Machine Size: 320mm x 500mm x 370mm

Specify voltage when ordering.

Order No.	Model	Capability	Range	Speed	Voltage	N.W.	G.W.	Pack Size
69090	GB320	0~3mm	45°	3500r.p.m	3PH,220V/380V,or 1PH, 110V/220V,50Hz/60Hz	25kgs	27kgs	46cmx36cmx38cm

**69100**

**GC500**

**Dual Function Chamfering Machine**



- Railway Spec.: 500mmx100mmx12mm,  
500mmx40mmx12mm,
- Motor: 1HP
- Blade Spec: SEKN1203x5pcs(500BR)
- Machine Size: 500mmx420mmx350mm,
- Accessory: Face Mill ∅50x∅17x35mm
- Grinding Wheel: ∅100x∅17x50mm  
(WA60,K5,VA6)(500B)

## 500B Features:



- ▶ Apply grinding wheel to chamfer, specially for hardened and special treatment workpieces.

## 500BR Features:



- ▶ Adopting Face milling for better smooth surface and energy saving.
- ▶ Suitable for any material, not including heat treatment material.

## 500C Features:

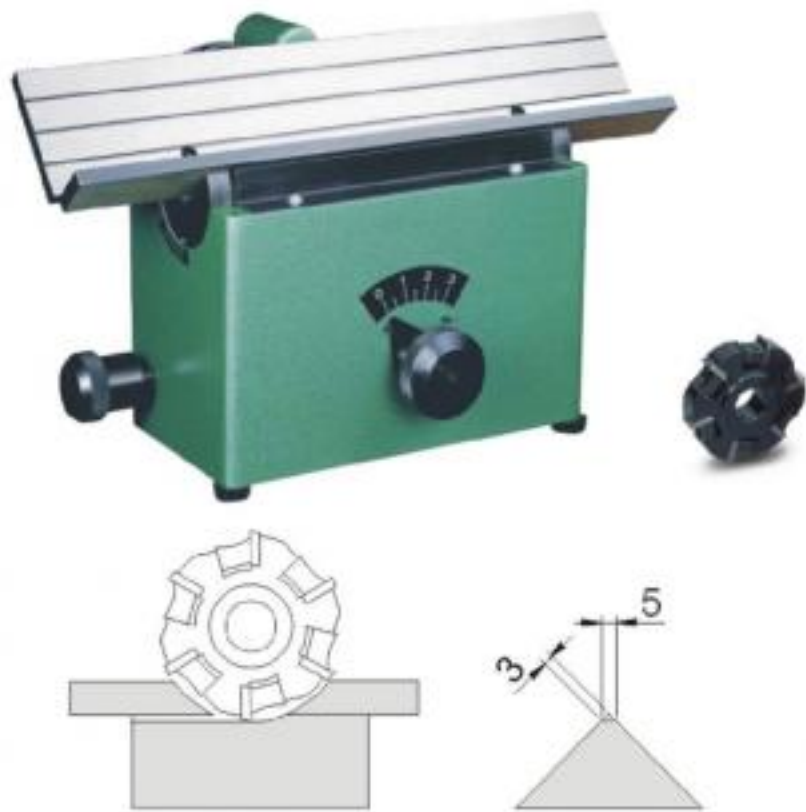


- ▶ Two in one type, interchangeable for grinding wheel & face mill
- ▶ Suitable for any material.

Specify voltage when ordering.

Order No.	Model	Capability	Range	Speed	Voltage	N.W.	G.W.	Pack Size
69100-01	GC500B	0~3mm	45°	3500r.p.m	3PH,220V/380V,or 1PH, 110V/220V,50Hz/60Hz	28kgs	31kgs	55cmx44cmx38cm
69100-02	GC500BR							
69100-03	GC500C							

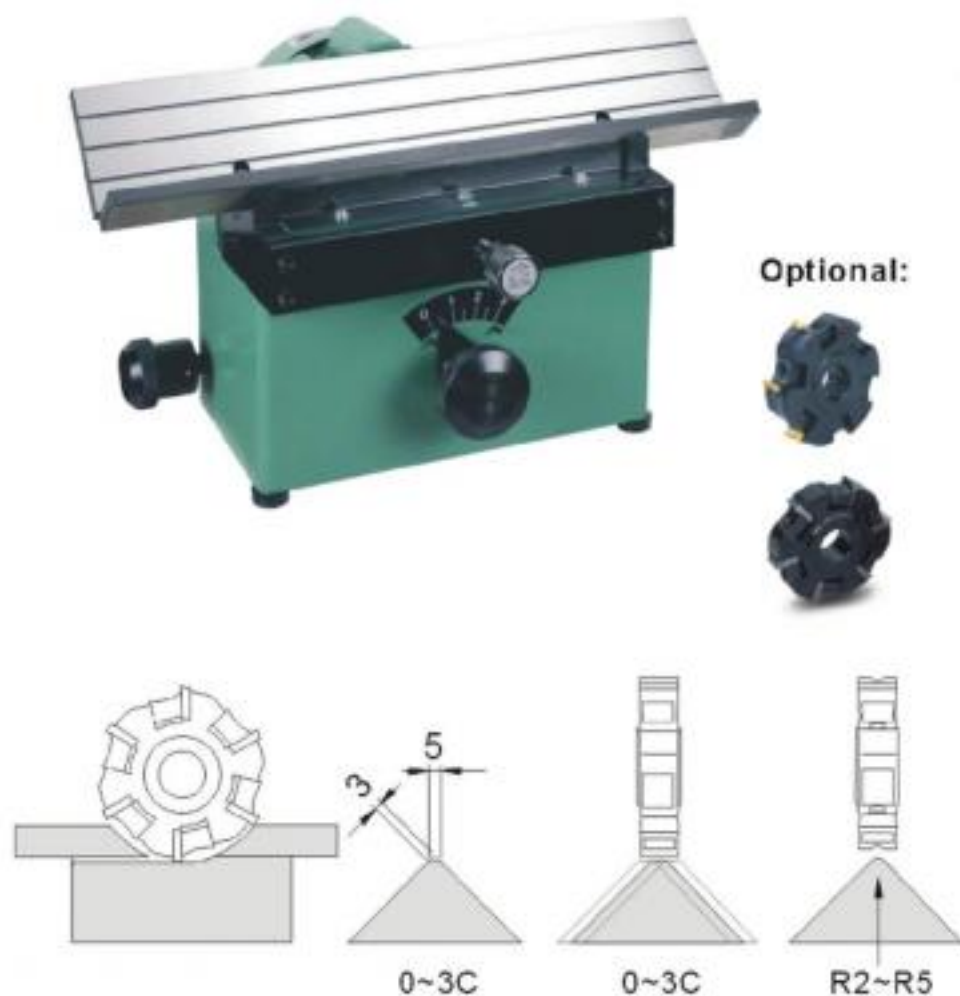


**69110**
**GA500**
**Side Mill Type Chamfering Machine**

**Features:**

- ▶ Apply Side End Milling concept with rapid shifting inserts (6 pcs)
- ▶ Suitable for steel, cast iron and hardened parts.
- ▶ Railway spec.: 500mm x 100mm x 12mm  
500mm x 40mm x 12mm
- ▶ Motor: 1HP
- ▶ Insert: SPUN1203 x 6 pcs
- ▶ Accessory: Side End Mill  $\varnothing 63\text{mm} \times \varnothing 17\text{mm} \times 15\text{mm}$
- ▶ Machine Size: 500mm x 350mm x 320mm

Specify voltage when ordering.

Order No.	Model	Capability	Range	Speed	Voltage	N.W.	G.W.	Pack Size
69110	GA500	0~3mm	15°~45°	3500r.p.m	3PH,220V/380V,or 1PH, 110V/220V,50Hz/60Hz	26kgs	29kgs	55cmx42cmx32cm

**69120**
**GAQ500**
**Side Mill Type C&R Dual Angle Chamfering Machine**

**Features:**

- ▶ Apply Side End Milling concept with rapid shifting inserts (6 pcs)
- ▶ Suitable for steel, cast iron and hardened parts.
- ▶ Adjustable cutting point of C angle to make the full using side of blade.
- ▶ Optional inverter (3500 ~ 12000 r.p.m.) for smooth surface after chamfered.
- ▶ Optional Accessory: R side mill cutter and R2/R3/R5 Blade.
- ▶ Railway spec.: 500mm x 100mm x 12mm  
500mm x 40mm x 12mm
- ▶ Motor: 1HP
- ▶ Insert: SPUN1203 x 6 pcs
- ▶ Accessory: Side End Mill  $\varnothing 63\text{mm} \times \varnothing 17\text{mm} \times 15\text{mm}$
- ▶ Machine Size: 500mm x 350mm x 320mm

Specify voltage when ordering.

Order No.	Model	Capability	Range	Speed	Voltage	N.W.	G.W.	Pack Size
69120	GAQ500	0~3mm & 2R,3R,5R	45°	3500r.p.m 0~12000r.p.m.	3PH,220V/380V,or 1PH, 110V/220V,50Hz/60Hz	28kgs	31kgs	55cmx42cmx32cm

# Precision Machinery

## 69130 GDF500 Multi-function Chamfering Machine



### Features:

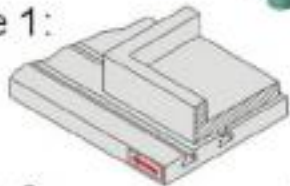
- ▶ V slide way design for both bowl wheel and face cutter.
- ▶ Swivel work table enable more effective on blade usage.
- ▶ All kinds material are suitable.
- ▶ Beveling angle is 45°.
- ▶ Guide Rail spec.: 500mm x 100mm x 12mm  
500mm x 40mm x 12mm
- ▶ Motor: 1HP
- ▶ Insert: SEKN1203 x 5 pcs
- ▶ Accessory: End Mill:  $\varnothing 50\text{mm} \times \varnothing 17\text{mm} \times 35\text{mm}$   
Bowl Wheel:  $\varnothing 100\text{mm} \times \varnothing 17\text{mm} \times 50\text{mm}$   
(WA60, K5, VA6)
- ▶ Machine Size: 500mm x 420mm x 350mm

Order No.	Model	Capability	Chamfer Angle	Speed	Voltage	N.W.	G.W.	Pack Size
69130	GDF500	0~3mm	45°	3500r.p.m	3PH, 220V/380V, or 1PH, 110V/220V, 50Hz/60Hz	32kgs	36kgs	55cmx44cmx38cm

## 69140 GAG500 Universal Face Mill Chamfering Machine



Type 1:



Type 2:



### Features:

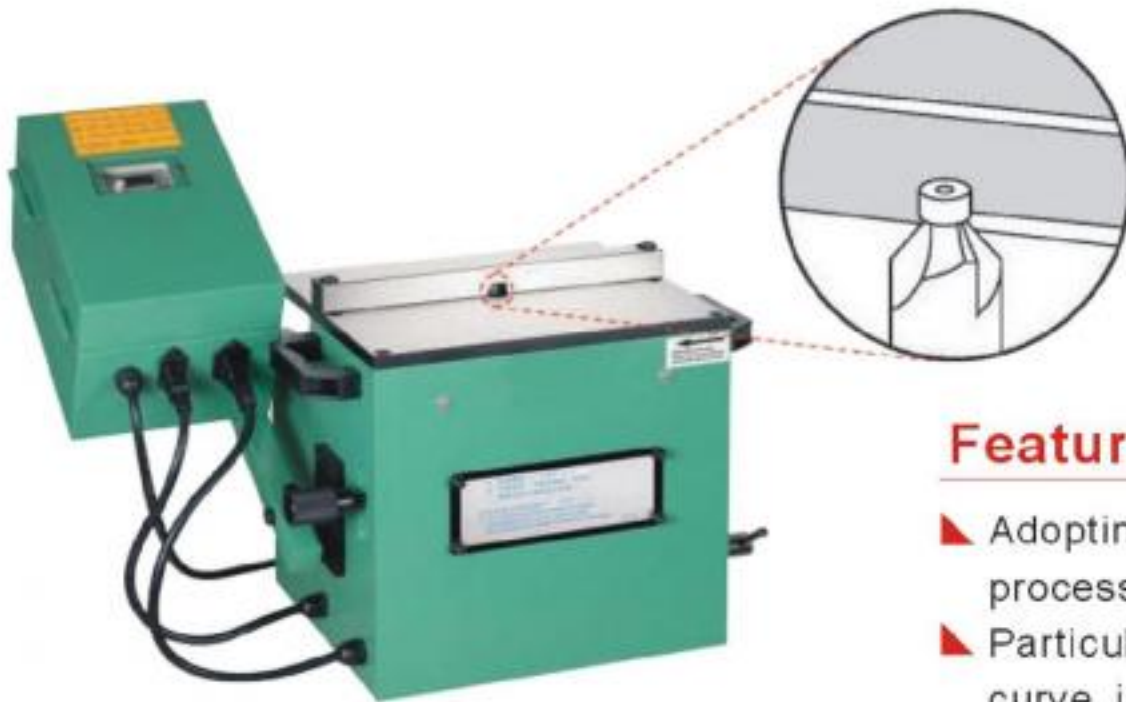
- ▶ Adopting face milling cutter to chamfer.
- ▶ Suitable for all kinds material.
- ▶ Beveling angle is 45°..
- ▶ Utilize jigs applied to T-slot on work table for not scratch the surface (Type 1).
- ▶ Utilize up and down function to chamfer T-shape workpiece (Type 2).
- ▶ Guide Rail spec.: 500mm x 150mm x 20mm  
500mm x 92mm x 12mm
- ▶ Motor: 1HP
- ▶ Insert: SEKN1203 x 5 pcs
- ▶ Accessory: Face End Mill:  $\varnothing 50\text{mm} \times \varnothing 17\text{mm} \times 35\text{mm}$
- ▶ Machine Size: 500mm x 430mm x 300mm

Order No.	Model	Capability	Chamfer Angle	Speed	Voltage	N.W.	G.W.	Pack Size
69140	GAG500	0~5mm	45°	3500r.p.m	3PH, 220V/380V, or 1PH, 110V/220V, 50Hz/60Hz	48.5kgs	58kgs	50cmx60cmx40cm

**69150**

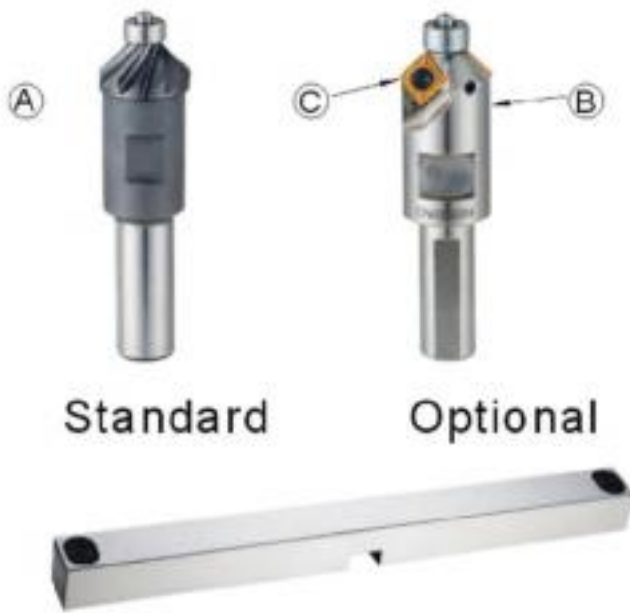
**GT-300A**

**Inverter Chamfering Machine(Regular+Irregular)**



**Features:**

- ▶ Adopting Inverter Motor (0~12000 RPM) to processing any material (except heat treatment).
- ▶ Particularly for chamfering regular, irregular, curve, inner gap and complex of surface.
- ▶ Capable of chamfering inner gap & inner dia. min. 8mm, or radius 4R or more.
- ▶ Chamfering capability 0~2C, or 3R.
- ▶ Beveling angle is 45°.



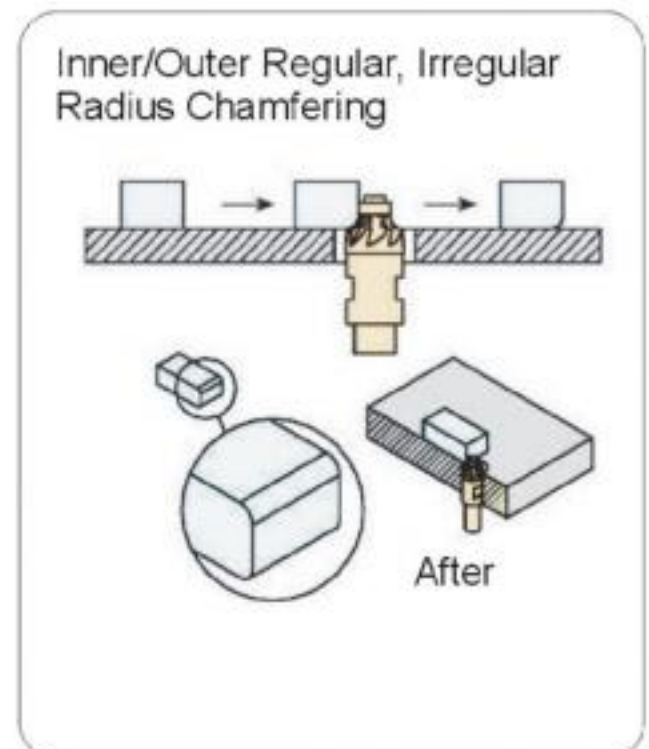
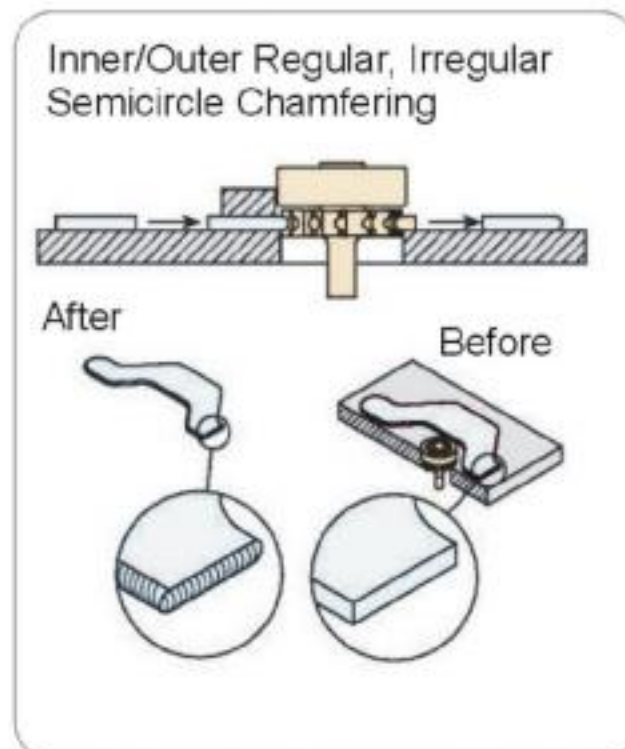
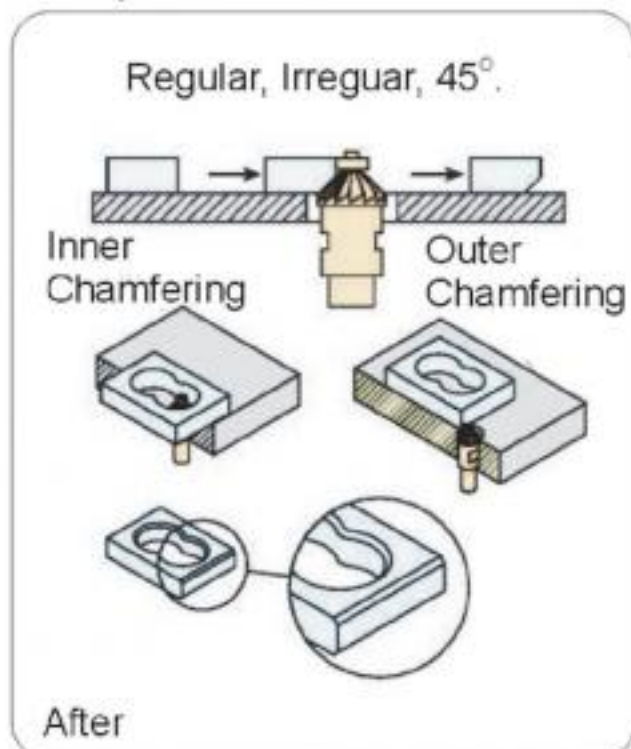
Standard

Optional

Order No.	69150 Model GT-300A
Size	L330xW330xH300mm
Voltage	1PH,110V/220V;50Hz/60Hz
Motor	1HP,0~12000 r.p.m.
Chamfer Angle	0~3mm,45°
N.W. / G.W.	40kgs/42kgs
Pack Size	55x44x38cm
Track Size	300x250x12mm

Order No.	Model	Description	Fig
69150-A	GT300A07	45° Forming Blade (for aluminum)	(A)
69150-B	GT300A082	Replaceable Blade	(B)
69150-C	GT300A083	Blade CPMT060204(2 blades / tool)	(C)

**Examples:**



**69160** GT-12C Self-propelled Chamfering Machine



Adopting Italian motor and reducer.

### Features:

- ▶ Applicable to steel, stainless steel, aluminum, copper, plastic and other materials.
- ▶ Fast chamfering speed, 2500~3000mm / min.
- ▶ No need of coolant oil or cutting oil when operation.
- ▶ The machine shall adapt to large workpiece and small workpiece shall adapt to the machine.
- ▶ Simple operation by one wrench for all the functions.
- ▶ Adopting with high-carbon steel, strong and durable with distortion free.

Specify voltage when ordering.

Order No.	69160 Model GT-12C
Voltage	3PH, 220V/380V, 50Hz/60Hz,
Motor	2HP, 2800rpm/50Hz, 3420rpm/60Hz
Cutting Speed	2500~3000/min(Max.)
Angle Height	13mm/45° (Carbon Steel) 8mm/45° (Stainless Steel)
Bevel Angle	15°~50°
Workpiece Thick.	6~40mm



Standard Accessory

Order No.	Model	Description
69162-01	2GT12C-01	Cutter-Steel (intensity)
69162-02	2GT12C-02	Cutter-Steel (high strength)
69162-03	2GT12C-03	Cutter-SUS (intensity)
69162-04	2GT12C-04	Cutter-SUS (high strength)

**69180**
**GT-20C**
**Self-propelled Chamfering Machine**


### Features:

- ▶ Applicable to steel, stainless steel, aluminum, copper and other materials.
- ▶ Fast chamfering speed, 1850~2250mm / min.
- ▶ No need of coolant oil or cutting oil when operation.
- ▶ The machine shall adapt to large workpiece and small workpiece shall adapt to the machine.
- ▶ Simple operation by one wrench for all the functions.
- ▶ Adjustable hydraulic lifting from 840mm~1240mm.
- ▶ Adopting Italian motor and reducer.
- ▶ Capable of processing 20mm each time for normal steel, but for carbon steel and stainless, it shall do more than once.

Specify voltage when ordering.

Order No.	Model	Voltage	Motor	Cutting Speed	Angle Height	Bevel Angle	Applicable Thick.
69180	GT-20C	3PH, 220V/380V 50HZ/60HZ	3HP, 1720/60HZ 1400/50HZ	Min/Max. 1850~2250	20mm/45°	15°~50°	9~50mm



Standard Accessory

Order No.	Model	Description	Spec.
69182-01	2GT20C-01	Cutter-Steel (high strength)	∅110X28
69182-02	2GT20C-02	Cutter-SUS (high strength)	∅110X28

# Precision Machinery

**69190**

**GBD46A**

**Belt and Disc Sander**



## Features:

- ▶ Belt tension release lever & belt tracking adjustment.
- ▶ Dust collecting system can be externally installed to keep clean in work place.
- ▶ Made of casting iron facilitate vibration generated from operation.
- ▶ Adopting powerful 450W induction motor with dust proof housing.
- ▶ Table can be used for disc or belt and be tilted to 45°.
- ▶ Voltage: 110V/220/, 50HZ/60HZ

## Standard Accessory



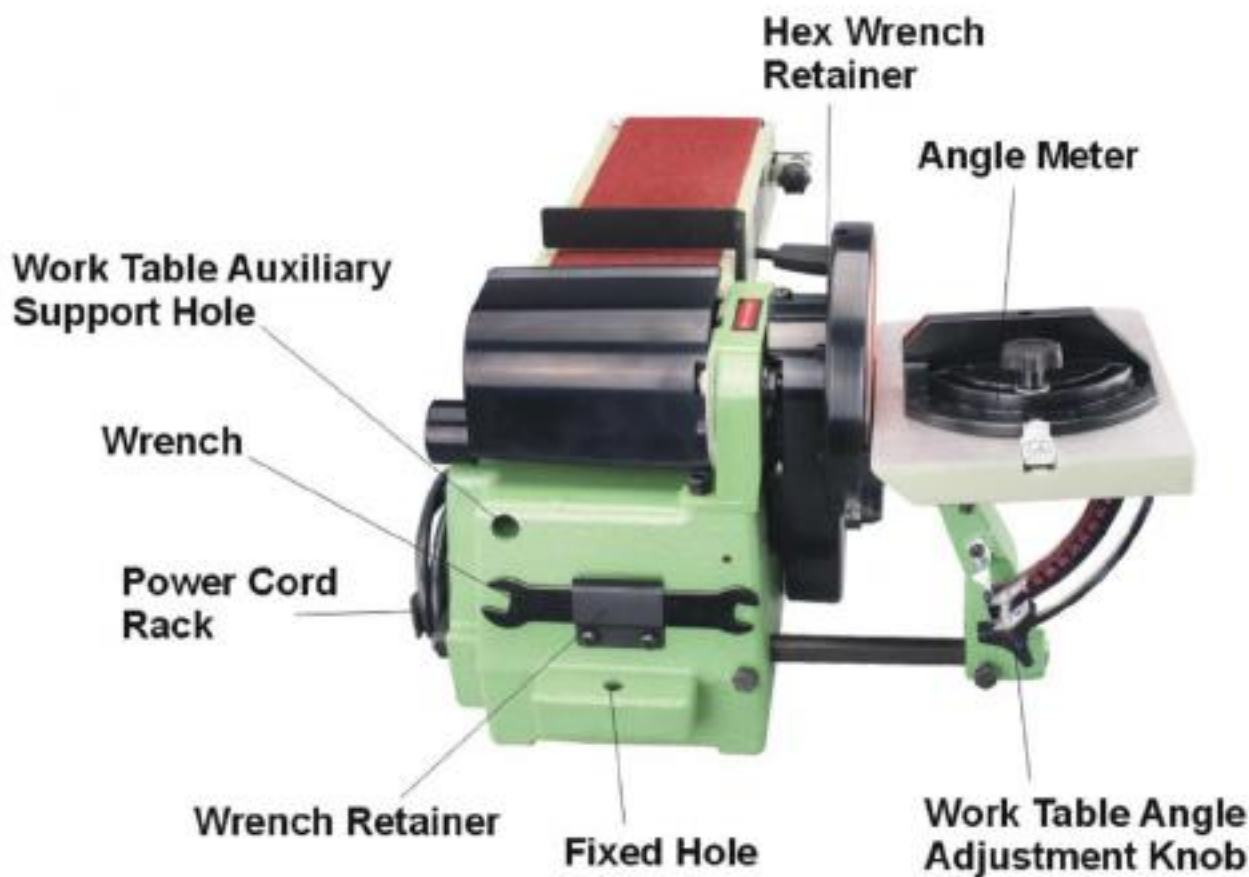
## Package



Specify voltage when ordering.

Order No.	Model	Belt		Disc		Table		Belt Angle	HP	N.W.
		Spec.	Speed	Dia.	R.P.M.	Spec.	Angle			
<b>69190</b>	GBD46A	4x6"	537	6"	2800	6.2x8.8	0~45°	0~30°	1/3HP	23.6kg

**69190** GBD46A Belt and Disc Sander



# Precision Machinery

## 69200 GCM316 Cutting-off Machine



### Features:

- ▶ Applicable to mold, round ejector pins, stainless materials.
- ▶ No burr left for heat treatment material after cutting.
- ▶ Simple and efficient way for cutting off.

### Standard Accessories:

- ▶ Power Cord x 1 set
- ▶ Fuss x 2 sets
- ▶ Handle x 1 set
- ▶ Hex Wrench: 4mm/5mm/10mm
- ▶ Diamond Wheel SDC80# x 1 set

Specify voltage when ordering.

Order No.	Model	Cutting Range	Motor / R.P.M.	Voltage	Package Size	N.W.
69200	GCM316	3mm~16mm	600W/6000rpm	AC110V/AC220V 50/60HZ	340mmx210mmx210mm	13.5kg

## 69210 GTY280 High Speed Cut-off Machine



### Features:

- ▶ Applicable to mold, round ejector pins, stainless materials.
- ▶ No burr left for heat treatment material after cutting.
- ▶ Simple and efficient way for cutting off.
- ▶ No vibration, low noise and less dust.
- ▶ Simple replacement for wheels.
- ▶ Machine size: L490 x W550 x H450mm

Order No.	Model	Max. Cutting Range	Tol.	Wheel Spec.			R.P.M.	Voltage	Gauge Ruler Length	N.W.
				Dia.	Thick	Inner Dia.				
69210-110	GTY280-110	∅20 100mm	20±0.10mm	150mm	1mm	19.05mm	3600	1/2HP 110V 1HP	300mm	86kg
69210-220	GTY280-220	∅20 100mm	20±0.10mm	150mm	1mm	19.05mm	3600	1/2HP 110V 1HP	300mm	86kg





### Features:

- ▶ Applicable to mold, tap pin, round ejector pins, stainless materials.
- ▶ Cutting & ground simultaneously increase efficiency.
- ▶ Quick clamp design for fast positioning.
- ▶ Adjustable wheel and no affection on spec.
- ▶ Machine size: L430 x W380 x H540mm
- ▶ CE standard is available.

Order No.	Model	Cutting Accuracy	Square Accuracy	Wheel Spec.	R.P.M	Voltage	Gauge Ruler Length	N.W.
69220-01	GTY300x110V	∅25x300±0.01	∅25x90°±0.01	WA46Kx100x50x20	3600	3/4HP 110V 1PH	300mm	87.5kg
69220-02	GTY300x110V-CE	∅25x300±0.01	∅25x90°±0.01	WA46Kx100x50x20	3600	3/4HP 110V-CE 1PH	300mm	87.5kg
69220-03	GTY300x220V	∅25x300±0.01	∅25x90°±0.01	WA46Kx100x50x20	3600	3/4HP 220V 1PH	300mm	87.5kg
69220-04	GTY300x220V-CE	∅25x300±0.01	∅25x90°±0.01	WA46Kx100x50x20	3600	3/4HP 220V-CE 1PH	300mm	87.5kg
69220-05	GTY300x380V	∅25x300±0.01	∅25x90°±0.01	WA46Kx100x50x20	3600	3/4HP 380V	300mm	87.5kg
69220-06	GTY300x380V-CE	∅25x300±0.01	∅25x90°±0.01	WA46Kx100x50x20	3600	3/4HP 380V-CE	300mm	87.5kg
69220-07	GTY500x110V	∅25x300±0.02	∅25x90°±0.02	WA46Kx100x50x20	3600	3/4HP 110V 1PH	500mm	91.5kg
69220-08	GTY500x110V-CE	∅25x300±0.02	∅25x90°±0.02	WA46Kx100x50x20	3600	3/4HP 110V-CE 1PH	500mm	91.5kg
69220-09	GTY500x220V	∅25x300±0.02	∅25x90°±0.02	WA46Kx100x50x20	3600	3/4HP 220V 1PH	500mm	91.5kg
69220-10	GTY500x220V-CE	∅25x300±0.02	∅25x90°±0.02	WA46Kx100x50x20	3600	3/4HP 220V-CE 1PH	500mm	91.5kg
69220-11	GTY500x380V	∅25x300±0.02	∅25x90°±0.02	WA46Kx100x50x20	3600	3/4HP 380V	500mm	91.5kg
69220-12	GTY500x380V-CE	∅25x300±0.02	∅25x90°±0.02	WA46Kx100x50x20	3600	3/4HP 380V-CE	500mm	91.5kg
69220-13	GTY600x110V	∅25x300±0.03	∅25x90°±0.03	WA46Kx100x50x20	3600	3/4HP 110V 1PH	600mm	93.5kg
69220-14	GTY600x110V-CE	∅25x300±0.03	∅25x90°±0.03	WA46Kx100x50x20	3600	3/4HP 110V-CE 1PH	600mm	93.5kg
69220-15	GTY600x220V	∅25x300±0.03	∅25x90°±0.03	WA46Kx100x50x20	3600	3/4HP 220V 1PH	600mm	93.5kg
69220-16	GTY600x220V-CE	∅25x300±0.03	∅25x90°±0.03	WA46Kx100x50x20	3600	3/4HP 220V-CE 1PH	600mm	93.5kg
69220-17	GTY600x380V	∅25x300±0.03	∅25x90°±0.03	WA46Kx100x50x20	3600	3/4HP 380V	600mm	93.5kg
69220-18	GTY600x380V-CE	∅25x300±0.03	∅25x90°±0.03	WA46Kx100x50x20	3600	3/4HP 380V-CE	600mm	93.5kg

# Precision Machinery

**69230**

**U2**

**Universal Grinding Cutter**



N.W. 45kg

## Features:

- ▶ Suitable for grinding HSS and carbide engraving, such as shape radius, negative taper angle.
- ▶ Universal index can do 24 positions or free 360° for special angle and shape.
- ▶ Please specify voltage when ordering.
- ▶ End Mill, Drill and Lathe cutter are optional.

## Specifications:

Max. Clamping:  $\varnothing$ 18mm  
 Max. Grinding dia.  $\varnothing$ 25mm  
 Taper angle 0°- 180°  
 Relief angle 0°- 45°  
 Negative angle 0°- 26°  
 Spindle Speed 3600 r.p.m.  
 Cup grinding wheel 100x50x20mm  
 Motor 1/3Hp 220V/380V 50/60Hz  
 Machine size L450 x W400 x H350mm

## Standard Accessories:

Diamond dresser with diamond...1pc  
 Flange (mounted)...1pc  
 Grinding wheel...1pc  
 Collets  $\varnothing$ 4,6,8,10,12mm...5pc  
 Aligning Flinger...1pc  
 Drive Belt ...1pc  
 Lock pin...1pc  
 Tools...1set

## Optional Accessories:

Twist drill grinding attachment U2-T  
 END mill grinding attachment U2-E  
 Lathe tool grinding attachment U2-L  
 Wheel Balancing Stand  
 Grinding Wheel  
 Collets:  $\varnothing$ 1, 2, 3, 5, 7, 9, 18, 20, 25mm  
 $\varnothing$  1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8"  
 Milling Collet:  $\varnothing$ 20, 25mm  
 Tool Cabinet

**69240**

**M2/M3**

**Blade & Lathe Tool Grinder**



## Features:

- ▶ Suitable for grinding many kinds of cutters, such as tipped tool, boring cutter, plough cutter, milling cutter etc...
- ▶ High precision and easy operation, it is a perfect grinding tool instead of manual grinding.
- ▶ Adopting high precision guide rails on work table to increase stability.
- ▶ Adopting cast iron FC30 with high strength can maintain mechanical precision for a long time.

Specify voltage when ordering.

Order No.	Model	Wheel Vertical Feed	R.P.M	Voltage	Horizontal travel.	Grinding Wheel	Machine Size	N.W.
69240-01	M2	60mm	2800rpm	220V/380V	140mm	$\varnothing$ 125x50x $\varnothing$ 32mm	38x34x46cm	45kg
69240-02	M3	90mm	2800rpm	220V/380V	75mm	$\varnothing$ 125x50x $\varnothing$ 32mm	44x34x44cm	78kg

**69250**
**GH413/1225**
**Fast End Mill Re-sharpening Machine**

**Features:**

- ▶ Portable compact design, no large room needed.
- ▶ Simple operation to execute precision grinding without specialist aside.
- ▶ Simultaneously and rapidly grinding for 2, 3, 4 flutes end mills.



Specify voltage when ordering.

Order No.	Model	Grinding Range	Motor / Speed	Machine Size	N.W.
69250-01	GH-413	4~13mm	450W/6000rpm	31x26x29cm	17kgs
69250-02	GH-1225	12~25mm	1000W/4500rpm	36x29x34cm	30kgs
Axial Angle	Third Angle 6°		Primary Angle 20°		Second Angle 30°
Voltage	AC 110V/AC 220V 50/60HZ				

**69260**
**GV391**
**Drill Grinder and Sharpener**


Originally USA imported.

**Features:**

- ▶ The V390 Drill Grinder and Sharpener sharpens common point styles with ease.
- ▶ Priced right for any small shop. Even very small shops can now sharpen their own drills, and keep on working.
- ▶ For the cost of less than 100 drills, you can accurately sharpen your most common drills in under a minute

Order No.	Model	Grinding Range	Axial Angle	Voltage	R.P.M	Machine Size	N.W.
69260	GV391	Ø3mm~Ø19mm	118°~140°	220V 50HZ	2850rpm	30.5x28x23cm	11kg

# Precision Machinery

**69270**

**DJ413/1326**

**Fast Drill Re-sharpening**



## Features:

- ▶ With CE standard.
- ▶ Portable compact design, operation is simple and fast.
- ▶ Point angle from 90° ~ 135° (normally 118°)
- ▶ Chisel edge grinding with adjustable to meet your demand (generally 0.7mm)
- ▶ Unique “up and down” swinging grinding way for sharper and durable finished.

Specify voltage when ordering.

Order No.	Model	Drill Dia.	Point Angle	Power	Speed	Wheel	N.W.	Standard Accessories
69270-01	DJ413	Ø4~13mm	90°~135°	AC110V	5100rpm	CBN#200	8kgs	Collet x 11pcs, Drill x 1set, hex wrench 4mm&6mm x1pc each
69270-02	DJ1326	Ø13~26mm		AC220V 1PH	4200rpm	CBN#150	26kgs	Collet x 13pcs, Drill x 1set, hex wrench 4mm&6mm x1pc each

**69280**

**GM**

**Fast Drill Re-sharpening**



**GM213**



**GM1226**

## Features:

- ▶ Double bearings grinding unit (reduce wear).
- ▶ Drill tightening design with bearing device. Adjustable trimming angle.

### Standard Accessories:

#### GM-213

1. ER Collet 2.5mm~13mm (12pcs)
2. CBN Diamond Wheel #200 x 1pc (for high speed drill)
3. 4mm, 5mm Hex Wrench x 1pc each.

#### GM-1226

1. ER Collet 12mm~26mm (15pcs)
2. CBN Diamond Wheel #150 x 1pc (for high speed drill)
3. 4mm, 6mm Hex Wrench x 1pc each.

Specify voltage when ordering.

Order No.	Model	Range	Point Angle	Power	Motor	Speed	Package	N.W.
69280-01	GM213	2mm~13mm	85°~140°	AC110V/AC220V 1PH	90W	6000rpm	30.5x17.2x18cm	10kg
69280-02	GM1226	12mm~26mm			450W	4000rpm	47x26x23.5cm	25kg

**69290**
**GM320**
**Fast Drill Re-sharpening**

**Features:**

- ▶ Double bearings grinding unit (reduce wear).
- ▶ Drill tightening design with bearing device.
- ▶ Adjustable trimming angle.

**Standard Accessories:**

1. ER Collet 3mm~18mm (18pcs)
2. CBN Diamond Wheel #150 x 1pc (for high speed drill)
3. 4mm, 6mm Hex Wrench x 1pc each.

**Optional Accessories:**

1. SDC #200 Diamond Wheel (Carbide Drill)

Specify voltage when ordering.

Order No.	Model	Range	Point Angle	Power	Motor	Speed	Package	N.W.
69290	GM320	3mm~20mm	85°~140°	AC110/AC220 50/60HZ	450W	4300rpm	480x260x240mm	21kg

**69300**
**MG213**
**3 Slant Fast Drill Re-sharpening**

**Features:**

- ▶ Double bearings grinding unit (reduce wear).
- ▶ Drill tightening design with bearing device.
- ▶ Adjustable trimming angle.

**Standard Accessories:**

1. Power Cord x 1 set
2. Fuse x 1 set
3. Hex Wrench: 4mm, 5mm
4. CBN#200
5. SDC#400
6. ER20 Collet Chuck x 1pc
7. ER20 Collets 2~13mm (12pcs)

**Optional Accessories:**

1. ER20 Collets: 3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5

Specify voltage when ordering.

Order No.	Model	Range	Point Angle	Power	Motor	Speed	Package	N.W.
69300	MG213	3mm~13mm	140°	AC110/AC220 50/60HZ	200W	5500rpm	305x172x180mm	10kg

# Precision Machinery

**69310**

PD316

Protatable Sheet Drill Re-sharpening



## Features:

- ▶ Double bearings grinding unit (reduce wear).
- ▶ Drill tightening design with bearing device.
- ▶ Adjustable trimming angle.

## Standard Accessories:

1. ER Collet 3mm~16mm (15pcs)
2. CBN Diamond Wheel #300 x 1pc (for high speed drill)
3. 4mm, 6mm Hex Wrench x 1pc each.

## Optional Accessories:

1. SDC #300 Diamond Wheel (for Carbide Drill)

Specify voltage when ordering.

Order No.	Model	Range	Power	Motor	Speed	Package	N.W.
69310	PD-316	3mm~16mm	AC110/AC220 50/60HZ	450W	4300rpm	48x26x24cm	21kg

**69320**

SG313

Fast Drill Re-sharpening



## Features:

- ▶ Portable design, simple operation require no specialist.
- ▶ Drill tightening design with bearing device.
- ▶ Adjustable trimming angle.

## Standard Accessories:

1. Power Cord x 1 set
2. Fuse x 1 set
3. Hex Wrench: 4mm, 5mm
4. CBN#250
5. SDC#400 (under 5mm)
6. ER20 Collet Chuck x 1pc
7. ER20 Collets 3~13mm (11pcs)

## Optional Accessories:

1. ER20 Collets: 3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5

Specify voltage when ordering.

Order No.	Model	Range	Point Angle	Power	Motor	Speed	Package	N.W.
69320	SG-313	3mm~13mm	140°	AC110/AC220 50/60HZ	200W	4200rpm	345x175x200mm	13kg

**69330**
**GX3/5/6/7**
**Spiral End Mill Grinder**

**Features:**

- ▶ Portable design and capable of grinding two, three, four, and six flutes. With optional it is capable of grinding five flutes.
- ▶ By applying one grinding wheel, the job is easily done.
- ▶ Model GX6 is having the same function as GX3 but also with capability of grinding both face and side of end mill.

Order No.	Model	Range	Motor	Speed	Grinding Wheel	Collets	Package	N.W.
69330-01	GX3	4~14mm	220V 180W	5300rpm	CBN (HSS) or SD (Carbide)	6PCS	32x21x20cm	20kg
69330-02	GX6					6PCS	39.5x22x29cm	20kg
69330-03	GX5	13~30mm	220V 250W	4400rpm		10PCS	50x29x30cm	40kg
69330-04	GX7							

**69340**
**GX8**
**Ball End Mill Grinder**

**Features:**

- ▶ Special design for grinding ball end mill.
- ▶ Simple operation requires no specialist.
- ▶ By applying one grinding wheel, the job is easily done.

Order No.	Model	Range	Motor	Speed	Grinding Wheel	Collets	Package	N.W.
69340	GX8	6mm~20mm	220V 400W	4400rpm	CBN (HSS) or SD (Carbide)	8PCS	50x30x35.5cm	36.5kg

# Precision Machinery

**69350**

**GXY3C**

**Screw Tap Grinder**



## Features:

- ▶ Portable design and capable of grinding two, three, four, and six flutes. With optional it is capable of grinding five flutes.
- ▶ Simple operation requires no specialist.
- ▶ By applying one grinding wheel, the job is easily done.
- ▶ Capable of grinding all the front cutting face including the front cutting lip.

Order No.	Model	Range	Point Angle	Power	Speed	Grinding Wheel	Collets	Package	N.W.
69350	GXY3C	M5~M20	5°~30°	220V 180W	5300rpm	CBN (HSS) or SD (Carbide)	6PCS	35x23x27cm	10kg

**69360**

**GXY6B**

**Screw Tap Grinder**



## Features:

- ▶ Portable design and capable of grinding two, three, four, and six flutes. With optional it is capable of grinding five flutes.
- ▶ Simple operation requires no specialist.
- ▶ By applying one grinding wheel, the job is easily done.
- ▶ Capable of sharpening the spiral tap's front cutting lip and all the front cutting face.

Order No.	Model	Range	Point Angle	Power	Speed	Grinding Wheel	Collets	Package	N.W.
69360	GXY6B	M5~M20	5°~30°	220V 180W	5300rpm	CBN (HSS) or SD (Carbide)	6PCS	34.5x16.5x20cm	10kg



**69400**
**GATH**
**Pneumatic Tapping Tool**

**GATH12-1**

**GATH12-2**

**GATH12-3**
**Features:**

- ▶ Portable compact design, only weight 2.5kgs  
High tapping efficiency with capability M2-M12.
- ▶ Adopting pneumatic with quality motor in its structure.
- ▶ Suitable for Steel, Iron, Copper, Plastic materials tapping.
- ▶ Single trigger control, press the trigger as processing.
- ▶ Only pull back when stuck during processing.
- ▶ Thread accuracy is high, no broken thread during tapping.
- ▶ Maintain easy, save time, save money.

Unit:mm

Order No.	Model	Capability	R.P.M.	Spindle	Max. Air Consumption. Nm/min	Air Tube Size mm	N.W.	Accessories
69400-01	GATH12-1	M2-M12	250	HTP/B12	0.4	9.5	2.5kg	Wrench
69400-02	GATH12-2	M2-M12	250	CAP10/B12	0.4	9.5	2.5kg	Wrench
69400-03	GATH12-3	M2-M12	250	TH1/B12	0.4	9.5	4.0kg	6 torque collets

# Precision Machinery

**69410**

GAQ

**Air Tapping Machine**



### Features:

- ▶ High tapping efficiency and no easy to break tap.
- ▶ Adopting pneumatic and suitable for Steel, Iron, Copper, Plastic materials tapping.
- ▶ Universal arm design for lateral, vertical, any angle tapping.
- ▶ Work table is not included, optional accessory.

### Standard Accessories:

1. Air Tapping Spindle
2. Extended Arm
3. Fixed Base
4. 3-points Combination
5. Safety Torque Tapping Collets x 6 pcs
6. Swing Arm

Order No.	Model	Capability	Spindle Speed R.P.M.	Work Range	N.W.
69410-01	GAQ08	M2-M8	700	Rmax 950mm Rmin 100mm	20 kg
69410-02	GAQ12	M3-M12	400		25kg
69410-03	GAQ16	M3-M16	300		25kg

Unit:mm

**69420**

GAQ

**Air Tapping Machine**



### Features:

- ▶ High tapping efficiency and no easy to break tap.
- ▶ Adopting pneumatic and suitable for Steel, Iron, Copper, Plastic materials tapping.
- ▶ Universal arm design for lateral, vertical, any angle tapping.
- ▶ Work table is not included, optional accessory.

### Standard Accessories:

1. Air Tapping Spindle
2. Extended Arm
3. Fixed Base
4. 3-points Combination
5. Safety Torque Tapping Collets x 6 pcs
6. Swing Arm

Order No.	Model	Capability	Spindle Speed R.P.M.	Work Range	N.W.
69420-01	GAQ20	M3-M20	150/400	Rmax 1000mm Rmin 100mm	25kg
69420-02	GAQ22	M3-M22	120/300		25kg
69420-03	GAQ24	M3-M24	100/300		25kg
69420-04	GAQ30	M3-M30	40/200		25kg

Unit:mm

**69430**
**GAT08/12**
**Air Tapping Machine**

**Features:**

- ▶ High tapping efficiency and no easy to break tap.
- ▶ Adopting pneumatic and suitable for Steel, Iron, Copper, Plastic materials tapping.
- ▶ Universal arm design for lateral, vertical, any angle tapping.
- ▶ Work table is not included, optional accessory.

**Standard Accessories:**

1. Air Tapping Spindle
2. Extended Arm
3. Fixed Base
4. 3-points Combination
5. Safety Torque Tapping Collets x 6 pcs
6. Swing Arm, extended 500mm.

Unit:mm

Order No.	Model	Capability	Spindle Speed R.P.M.	Work Range	N.W.
69430-01	GAT08	M2-M8	700	Rmax 1900mm	23kg
69430-02	GAT12	M3-M12	400	Rmin 100mm	23kg

**69440**
**GAT16**
**Air Tapping Machine**

**Features:**

- ▶ High tapping efficiency and no easy to break tap.
- ▶ Adopting pneumatic and suitable for Steel, Iron, Copper, Plastic materials tapping.
- ▶ Universal arm design for lateral, vertical, any angle tapping.
- ▶ Work table is not included, optional accessory.

**Standard Accessories:**

1. Air Tapping Spindle
2. Extended Arm
3. Fixed Base
4. 3-points Combination
5. Safety Torque Tapping Collets x 6 pcs
6. Swing Arm, extended 500mm.

Unit:mm

Order No.	Model	Capability	Spindle Speed R.P.M.	Work Range	N.W.
69440	GAT16	M3-M16	300	Rmax 1900mm Rmin 200mm	27kg

**69450**

**GHM**

**Hydraulic Tapping Machine**



GHM22



GHM32/42/50



GHM60

## Features:

- ▶ High tapping efficiency and no easy to break tap.
- ▶ Adopting pneumatic and suitable for Steel, Iron, Copper, Plastic materials tapping.
- ▶ Universal arm design for lateral, vertical, any angle tapping.
- ▶ Work table is not included, optional accessory.

## Standard Accessories:

1. Hydraulic Tapping Spindle
2. Extended Arm
3. Fixed Base
4. 3-points Combination
5. Work Cabinet
6. Electric Motor, Hydraulic Pump, Hydraulic Box.
7. Electric Controlled Device.

Specify voltage when ordering.

Order No.	Model	Capability	Spindle Speed R.P.M.	Work Range	Voltage	Power	Hydraulic	N.W.
69450-01	GHM22	M3-M22	0~400	Max. Radius1600mm Min. Radius200mm	220/380V, 50/60Hz 3PH	3HP	100kg/cm <sup>2</sup>	300kg
69450-02	GHM32	M4-M32	0~550/0~105			3HP	100kg/cm <sup>2</sup>	300kg
69450-03	GHM42	M4-M42	0~400/0~75			3HP	100kg/cm <sup>2</sup>	300kg
69450-04	GHM50	M8-M50	0~360/0~60			5HP	140kg/cm <sup>2</sup>	300kg
69450-05	GHM60	M8-M60	0~360/0~60			10HP	140kg/cm <sup>2</sup>	450kg

Unit:mm



### Features:

- ▶ 90° or any angle tapping device, mostly suitable for GAQ/GAT series.
- ▶ Automatic tap lubricator system.
- ▶ Suitable for tapping, chamfering, boring, lock screws.
- ▶ Universal arm design for lateral, vertical, any angle tapping.

Order No.	Model	N.W.
69460-01	GAQ/GAT08-90°	2kg
69460-02	GAQ/GAT12-90°	2kg
69460-03	GAQ/GAT16-90°	2kg
69460-04	GAQ/GAT20-90°	2kg
69460-05	GAQ/GAT22-90°	2kg
69460-06	GAQ/GAT24-90°	2kg
69460-07	GAQ/GAT30-90°	2kg