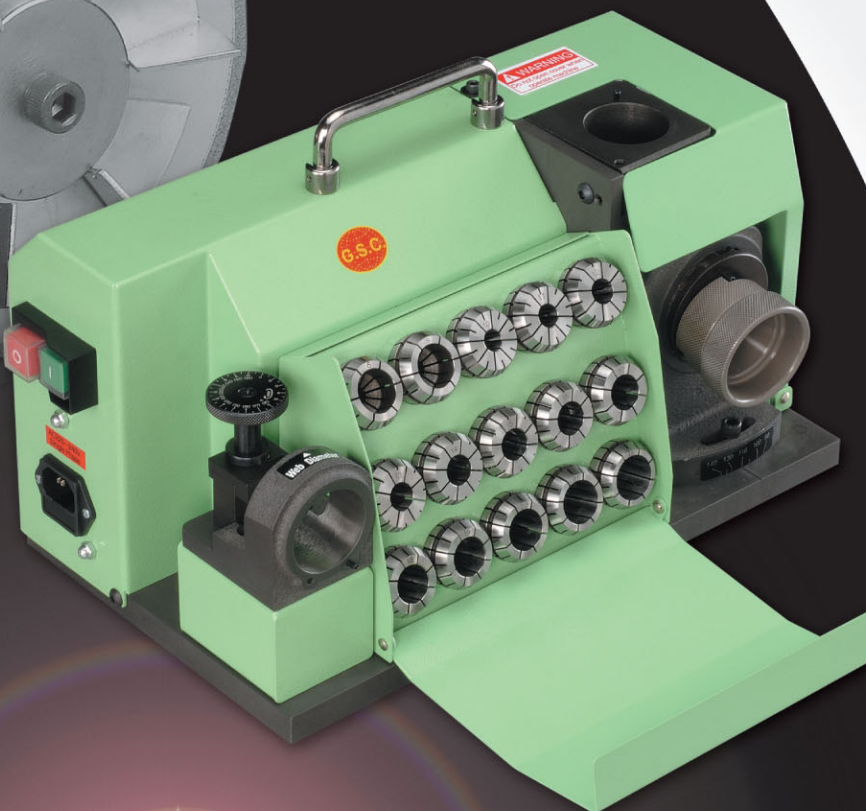




[www.gsc-tw.com](http://www.gsc-tw.com)



# GSC Grinding Drill

## End Mill machine series

Super Simple ○

Super Easy ○

Super Fast ○

Super Efficiency ○



Multi-Region Patent Approved





# End Mill Resharpener

**GS-6**

**End Mill of 2 flute,3 flute and 4 flute**

Model:

**End Mill Re-Sharpener**



For 3mm-12mm End Mill Re-sharpening ,  
Adjustable Angle

Model	GS-6
Drill Diameter	Φ 2-13mm
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M.
Grinding Wheel	SD#200
Weight	N.W 14.7Kg G.W 15.7Kg
Machine Size	L:300mm W:165mm H:245mm
Packing Size	L:380mm W:245mm H:325mm
Standard Accessories	Collet X 6 pcs
	Bushings X 6 pcs
	Chuck Set: 3 sets (6pcs)
	Hexagon Wrench 3mmx1 pcs / 4mmx1 pcs
	Optional Accessories: CBN Grinding Wheel



## GS-6 Standard accessories



SD200 A (3.0-5.0mm)



SD200 B (5.1-8.0mm)



SD200 C (8.1-12.0mm)



Standard Collet Sets



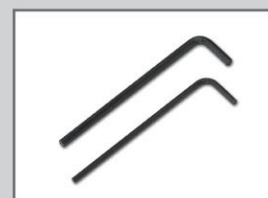
Flutes 2b



Flutes 3b



Flutes 4b



Hexagon Wrench 2pcs (3mm, 4mm)

## GS-1 Twist Drills Drill Bit Re-Sharpener

Model:



For 2mm-13mm Twist Drill  
Re-sharpening , Angle 118°-135°



Model	GS-1
Drill Diameter	Φ 2~13mm
Point Angle	118° ~135°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M
Grinding Wheel	CBN#200
Weight	N.W 7Kg G.W 8Kg
Machine Size	L:280mm W:133mm H:155mm
Packing Size	L:330mm W:205mm H:225mm
Type of Thinning	X Thinning
Standard Accessories	Collet X 12 pcs
	Collet Holder X 1 set
	Metal Shim 0.1mmX2 pcs / 0.3mmX1 pcs
	Hexagon Wrench 3mmX1 pcs / 4mmX1 pcs
Optional SD Grinding Wheel for Carbide Drills	

### GS-1 Optional Accesories

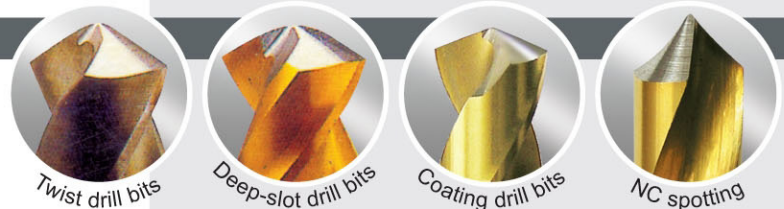
GS-1 / Imperial Collet Set	Φ 2.5mm~ Φ 12.5mm (11 pcs)
GS-1 / P-SD	SD Grinding Wheel for Carbide Drills
Portable LED light	

## GS-11 Twist Drills Drill Bit Re-Sharpener

Model:



For 2mm-13mm Twist Drill  
Re-sharpening , Angle 90°-140°



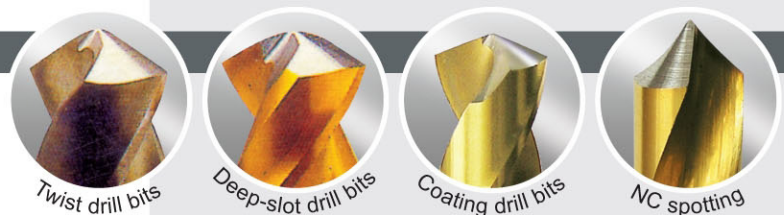
Model	GS-11
Drill Diameter	Φ 2~13mm
Point Angle	90° ~140°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M
Grinding Wheel	CBN#200
Weight	N.W 8Kg G.W 9Kg
Machine Size	L:286mm W:133mm H:155mm
Packing Size	L:330mm W:205mm H:225mm
Type of Thinning	X Thinning
Standard Accessories	Collet X 12 pcs
	Collet Holder X 1 set
	Metal Shim 0.1mmX2 pcs / 0.3mmX1 pcs
	Hexagon Wrench 3mmX1 pcs / 4mmX1 pcs
Optional SD Grinding Wheel for Carbide Drills	

## GS-21 Twist Drills Drill Bit Re-Sharpener

Model:



For 8mm-22mm Twist Drill  
Re-sharpening , Angle 90°-140°  
(Optional collets and adaptor  
for 3mm-7mm and 23mm-25.4mm drills)



Model	GS-21
Drill Diameter	Φ 8~22mm
Point Angle	90° ~140°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	3280 R.P.M
Grinding Wheel	CBN#200
Weight	N.W 19.8Kg G.W 22Kg
Machine Size	L:365mm W:204mm H:223mm
Packing Size	L:430mm W:270mm H:270mm
Type of Thinning	X Thinning
Standard Accessories	Collet X 15 pcs
	Collet Holder X 1 set
	Metal Shim 0.1mmX2 pcs / 0.3mmX1 pcs
	Hexagon Wrench 3mmX1 pcs / 5mmX1 pcs
Optional SD Grinding Wheel for Carbide Drills	

### GS-21 Optional Accesories

GS-21 / P-D Optional Collet Set	Φ 23mm~ Φ 25.4mm (4 pcs)
GS-21 / P-E Optional Collet Set + Adaptor	Φ 3.0mm~ Φ 7.0mm (5 pcs)
GS-21 / P-E Imperial Collet Set + Adaptor	Φ 3.5mm~ Φ 6.5mm (4 pcs)
GS-21 / P-F Imperial Collet Set	Φ 2.5mm~ Φ 21.5mm (20 pcs)
GS-21 / Optional Collet Set	Φ 26mm (1 pcs)
GS-21 / P-SD	SD Grinding Wheel for Carbide Drills
Portable LED light	



# Special Drill Bit Grinder

**GS-3**

**Left Hand Twist Drills**

Drill Bit Re-Sharpener

Model:



For 2mm-13mm Left Hand Twist Drill  
Re-sharpening , Angle 118°-135°



Left hand twist drill bits

Model	GS-3
Drill Diameter	Φ 2~13mm
Point Angle	118° ~135°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M.
Grinding Wheel	CBN#200
Weight	N.W 8Kg G.W 9Kg
Machine Size	L:286mm W:133mm H:155mm
Packing Size	L:330mm W:205mm H:225mm
Type of Thinning	X Thinning
Standard Accessories	Collet X 12 pcs
	Collet Holder X 1 set
	Metal Shim 0.1mmX2 pcs / 0.3mmX1 pcs
	Hexagon Wrench 3mmX1 pcs / 4mmX1 pcs
	Optional SD Grinding Wheel for Carbide Drills

**GS-5**

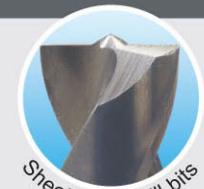
**Sheet Metal Drills**

Drill Bit Re-Sharpener

Model:



For 3mm-13mm Sheet Metal Drill  
Re-sharpening , Angle 165°-180°



Sheet metal drill bits

Model	GS-5
Drill Diameter	Φ 3~13mm
Point Angle	165° ~180°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M.
Grinding Wheel	CBN#200
Weight	N.W 8.5Kg G.W 9.5Kg
Machine Size	L:286mm W:133mm H:155mm
Packing Size	L:330mm W:205mm H:225mm
Type of Thinning	X Thinning
Standard Accessories	Collet X 11 pcs
	Collet Holder X 1 set
	Metal Shim 0.1mmX2 pcs / 0.3mmX1 pcs
	Hexagon Wrench 3mmX1 pcs / 4mmX1 pcs
	Optional SD Grinding Wheel for Carbide Drills

**GS-16**

**Wood Working Drills**

Drill Bit Re-Sharpener

Model:



For 2mm-13mm Wood Working Drill Re-sharpening



Wood working drill bits

Model	GS-16
Drill Diameter	Φ 3~13mm
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M.
Grinding Wheel	CBN#200
Weight	N.W 7.9Kg G.W 9Kg
Machine Size	L:286mm W:133mm H:155mm
Packing Size	L:330mm W:205mm H:225mm
Standard Accessories	Collet X 11 pcs
	Collet Holder X 1 set
	Hexagon Wrench 3mmx1 pcs / 4mmx1 pcs
	Optional SD Grinding Wheel for Carbide Drills

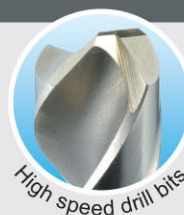
## GS-18 SG High Speed Drills

### Drill Bit Re-Sharpener

Model:



For 3mm-13mm SG High Speed Drills  
Re-sharpening , Angle 135°



High speed drill bits



Model	GS-18
Drill Diameter	Φ 3~13mm
Point Angle	135°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M
Grinding Wheel	CBN#200
Weight	N.W 8.1Kg G.W 9.1Kg
Machine Size	L:282mm W:135mm H:143mm
Packing Size	L:330mm W:205mm H:225mm
Standard Accessories	Collet X 12 pcs Collet Holder X 1 set Hexagon Wrench 3mmX1 pcs
	Optional SD Grinding Wheel for Carbide Drills

## GS-19 DG Drill Bit Grinder

### Drill Bit Re-Sharpener

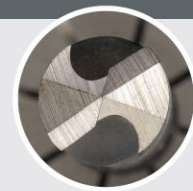
Model:



For 3mm-13mm Twist Drill  
Re-sharpening , Angle 135°



DG twist drill bits



Model	GS-19
Drill Diameter	Φ 3~13mm
Point Angle	135°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	5300 R.P.M
Grinding Wheel	CBN#200
Weight	N.W 8Kg G.W 9Kg
Machine Size	L:286mm W:133mm H:155mm
Packing Size	L:330mm W:205mm H:225mm
Type of Thinning	X Thinning
Standard Accessories	Collet X 11 pcs Collet Holder X 1 set Hexagon Wrench 3mmX1 pcs / 4mmX1 pcs
	Optional SD Grinding Wheel for Carbide Drills

## GS-22 Sheet Metal Drills

### Drill Bit Re-Sharpener

Model:



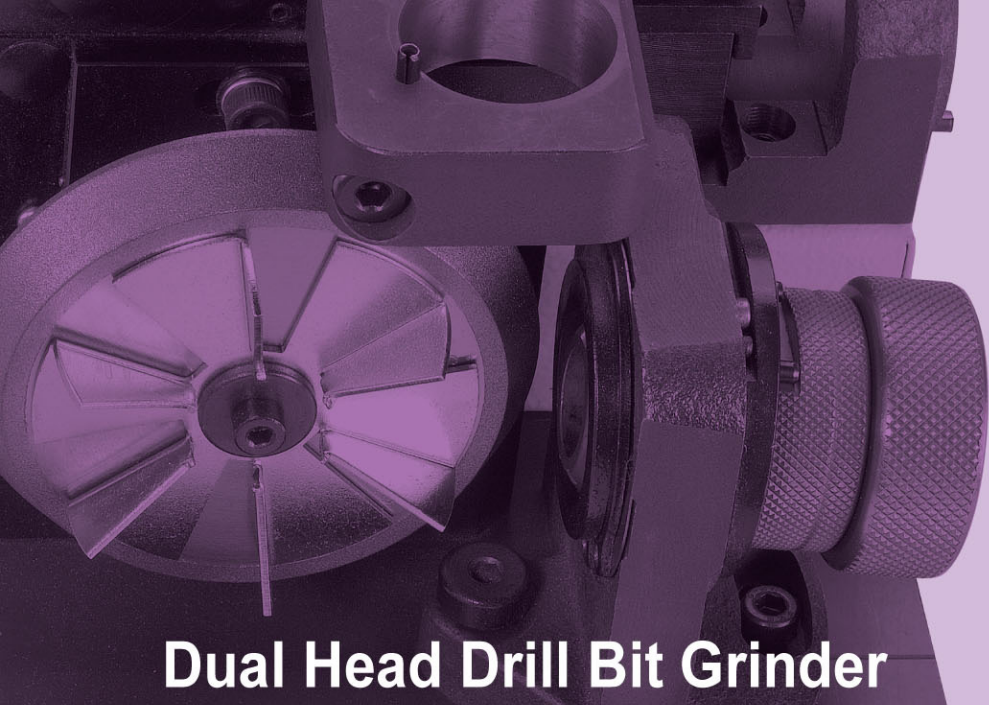
For 12mm-26mm Iron Frame Drill  
Re-sharpening , Angle 165°-180°



Iron frame drill bits

Model	GS-22
Drill Diameter	Φ 12~26mm
Point Angle	165°~180°
Power Supply	AC110V 50/60Hz AC220V(Opt.)
R.P.M of Motor	3280 R.P.M
Grinding Wheel	CBN#200
Weight	N.W 19.8Kg G.W 22Kg
Machine Size	L:365mm W:204mm H:223mm
Packing Size	L:430mm W:270mm H:270mm
Standard Accessories	Collet X 15 pcs Collet Holder X 1 set Hexagon Wrench 3mmX1 pcs / 5mmX1 pcs
	Optional SD Grinding Wheel for Carbide Drills





# Twist Drills 90°-140°



## Dual Head Drill Bit Grinder

### GS-7 Sheet Metal Drills & Twist Drills

Model:

Dual Function Drill Bit Re-Sharpener



For 3mm-13mm Sheet Metal Drill  
Re-sharpening , Angle 165°-180°  
For 2mm-13mm Twist Drill  
Re-sharpening , Angle 90°-140°



Combo Machine ©Sheet Metal Drills ©Twist Drills  
Combination of GS-11 + GS-5

Model	GS-7	
Grinding Type	Sheet Metal Drill	Twist Drill
Drill Diameter	Φ 3mm~13mm	Φ 2mm~13mm
Point Angle	165° ~180°	90° ~140°
Power Supply	AC110V 50/60Hz AC220V(Opt.)	
R.P.M of Motor	5300 R.P.M.	
Grinding Wheel	CBN#200	
Weight	N.W 13Kg / G.W 13.5Kg	
Machine Size	L:283mm W:145mm H:210mm	
Packing Size	L:360mm W:215mm H:265mm	
Type of Thinning	X Thinning	
Standard Accessories	Collet X 12 pcs Collet Holder X1 set Metal Shim 0.1mmx2 pcs / 0.3mmx1 pcs Hexagon Wrench 3mmx1 pcs / 4mmx1 pcs	
	Optional SD Grinding Wheel for Carbide Drills	

### GS-8 Left Hand Twist Drills & Twist Drills

Model:

Dual Function Drill Bit Re-Sharpener



For 2mm-13mm Left Hand Twist Drill  
Re-sharpening , Angle 118°-135°  
For 2mm-13mm Twist Drill  
Re-sharpening , Angle 90°-140°



Combo Machine ©Left Hand Drills ©Twist Drills  
Super Function & Economy

Model	GS-8	
Grinding Type	Left Hand Drill	Twist Drill
Drill Diameter	Φ 2mm~13mm	Φ 2mm~13mm
Point Angle	118° ~135°	90° ~140°
Power Supply	AC110V 50/60Hz AC220V(Opt.)	
R.P.M of Motor	5300 R.P.M.	
Grinding Wheel	CBN#200	
Weight	N.W 12.5Kg / G.W 13Kg	
Machine Size	L:283mm W:145mm H:210mm	
Packing Size	L:360mm W:215mm H:265mm	
Type of Thinning	X Thinning	
Standard Accessories	Collet X 12 pcs	
	Collet Holder: Left thread X1 set, Right thread X1 set	
	Metal Shim 0.1mmx2 pcs / 0.3mmx1 pcs	
	Hexagon Wrench 3mmx1 pcs / 4mmx1 pcs	
Optional SD Grinding Wheel for Carbide Drills		



**GS-9****DG Drills & Twist Drills**

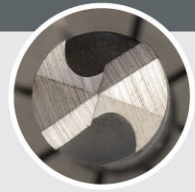
Model:

**Dual Function Drill Bit Re-Sharpener**

For 2mm-13mm DG Drill  
Re-sharpening , Angle 118°-140°  
For 2mm-13mm Twist Drill  
Re-sharpening , Angle 90°-140°



DG twist drill bit



Combo Machine ©DG Drills ©Twist Drills

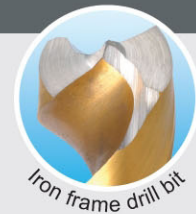
Model	GS-9	
Grinding Type	DG Drill	Twist Drill
Drill Diameter	Φ 2mm~13mm	Φ 2mm~13mm
Point Angle	118° ~140°	90° ~140°
Power Supply	AC110V 50/60Hz AC220V(Opt.)	
R.P.M of Motor	5300 R.P.M.	
Grinding Wheel	CBN#200	
Weight	N.W 12.5Kg / G.W 13Kg	
Machine Size	L:283mm W:145mm H:210mm	
Packing Size	L:360mm W:215mm H:265mm	
Type of Thinning	X Thinning	
Standard Accessories	Collet X 12 pcs	
	Collet Holder X 1 set	
	Metal Shim 0.1mmx2 pcs / 0.3mmx1 pcs	
	Hexagon Wrench 3mmx1 pcs / 4mmx1 pcs	
Optional SD Grinding Wheel for Carbide Drills		

**GS-27****Sheet Metal Drills & Twist Drills**

Model:

**Dual Function Drill Bit Re-Sharpener**

For 12mm-26mm Iron Frame Drill  
Re-sharpening , Angle 165°-180°  
For 12mm-26mm Twist Drill  
Re-sharpening , Angle 90°-140°



Iron frame drill bit

Combo Machine ©Iron Frame Drills ©Twist Drills

Model	GS-27	
Grinding Type	Iron Frame Drill	Twist Drill
Drill Diameter	Φ 12mm~26mm	Φ 12mm~26mm
Point Angle	165° ~180°	90° ~140°
Power Supply	AC110V 50/60Hz AC220V(Opt.)	
R.P.M of Motor	3280 R.P.M.	
Grinding Wheel	CBN#200	
Weight	N.W 31Kg / G.W 33Kg	
Machine Size	L:430mm W:225mm H:270mm	
Packing Size	L:540mm W:315mm H:400mm	
Standard Accessories	Collet X 15 pcs	
	Collet Holder X 1 set	
	Metal Shim 0.1mmx2 pcs / 0.3mmx1 pcs	
	Hexagon Wrench 5mmx1 pcs	
Optional SD Grinding Wheel for Carbide Drills		

**GS-29****DG Drills & Twist Drills**

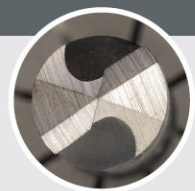
Model:

**Dual Function Drill Bit Re-Sharpener**

For 12mm-26mm DG Drill  
Re-sharpening , Angle 118°-140°  
For 12mm-26mm Twist Drill  
Re-sharpening , Angle 90°-140°



DG twist drill bit




Combo Machine ©DG Drills ©Twist Drills


Model	GS-29	
Grinding Type	DG Drill	Twist Drill
Drill Diameter	Φ 12mm~26mm	Φ 12mm~26mm
Point Angle	118° ~140°	90° ~140°
Power Supply	AC110V 50/60Hz AC220V(Opt.)	
R.P.M of Motor	3280 R.P.M.	
Grinding Wheel	CBN#200	
Weight	N.W 32.2Kg / G.W 34Kg	
Machine Size	L:430mm W:225mm H:270mm	
Packing Size	L:540mm W:315mm H:400mm	
Standard Accessories	Collet X 15 pcs	
	Collet Holder X 1 set	
	Metal Shim 0.1mmx2 pcs / 0.3mmx1 pcs	
	Hexagon Wrench 5mmx1 pcs	
	Optional SD Grinding Wheel for Carbide Drills	

# Optional accessories


**P-A Alloy Steel Collets** 12pcs (2mm-13mm)

	GS-6					
	GS-1	GS-11				
	GS-3	GS-5	GS-16	GS-18	GS-19	
	GS-7	GS-8	GS-9			


**P-B Imperial Collets** 11pcs (2.5mm-12.5mm)

	GS-1	GS-11				
	GS-3	GS-5	GS-16	GS-18		
	GS-7	GS-8	GS-9			


**PD Alloy Steel Collets** 4pcs (23mm-25.4mm)

						
			GS-21			
						GS-22
				GS-27	GS-29	


**PE Collets and Adapter** (3mm-7mm)

						
			GS-21			


**P-S End Mill Shank Collets** 11pcs (2mm-12mm)

	GS-6					
	GS-1	GS-11				
	GS-3	GS-5	GS-16	GS-18	GS-19	
	GS-7	GS-8	GS-9			


**P-S End Mill Shank Imperial Collets** 10pcs (2.5mm-11.5mm)

	GS-6					
	GS-1	GS-11				
	GS-3	GS-5	GS-16	GS-18	GS-19	
	GS-7	GS-8	GS-9			


**Wooden Box for Collets**

	GS-6					
	GS-1	GS-11	GS-21			
	GS-3	GS-5	GS-16	GS-18	GS-19	
	GS-7	GS-8	GS-9			


**Portable LED Light**

	GS-6					
	GS-1	GS-11	GS-21			
	GS-3	GS-5	GS-16	GS-18	GS-19	GS-22
	GS-7	GS-8	GS-9	GS-27	GS-29	


**SDC-230**

						
	GS-1	GS-11				
	GS-3					
		GS-8	GS-9			


**SD-200**

						
			GS-21			
						GS-22
				GS-27	GS-29	


**Angle Measurement Device**

	GS-6					
	GS-1	GS-11	GS-21			
	GS-3	GS-5	GS-16	GS-18	GS-19	GS-22
	GS-7	GS-8	GS-9	GS-27	GS-29	


**Parallel Measuring Device**

						
	GS-1	GS-11				
	GS-3	GS-5	GS-16	GS-18	GS-19	
	GS-7	GS-8	GS-9			


**Parallel Measuring Device**

						
			GS-21			
						GS-22
				GS-27	GS-29	


**AL-201**

	GS-6					
	GS-1	GS-11	GS-21			
	GS-3	GS-5	GS-16	GS-18	GS-19	GS-22
	GS-7	GS-8	GS-9	GS-27	GS-29	


**AL-301**

	GS-6					
	GS-1	GS-11	GS-21			
	GS-3	GS-5	GS-16	GS-18	GS-19	GS-22
	GS-7	GS-8	GS-9	GS-27	GS-29	

**AL-303**

	GS-6					
	GS-1	GS-11	GS-21			
	GS-3	GS-5	GS-16	GS-18	GS-19	GS-22
	GS-7	GS-8	GS-9	GS-27	GS-29	

**HO-100**

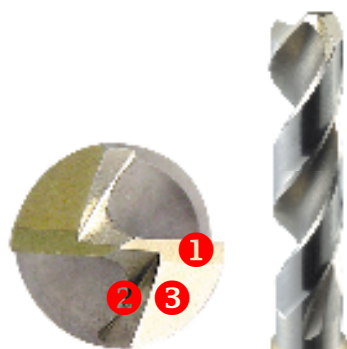
	GS-6					
	GS-1	GS-11	GS-21			
	GS-3	GS-5	GS-16	GS-18	GS-19	GS-22
	GS-7	GS-8	GS-9	GS-27	GS-29	







## 2009 GSC New Drill Bit Re-Sharpener



**SG High Speed Drill Bit**

Shelf I - Cutting Edge grinding

Shelf II - Relief grinding

Shelf III - Flank face grinding

(Application: 3~13mm)

### GS-10



Deep hole drill



90° NC Spotting Drill



118° Twist drill



135° Twist Drill

(Application: 2~13mm)

Model : **GS-10**

Drill type: **SG High Speed Drill Bit**

**Twist Drill Bit**

Drill Diameter: **2mm~13mm**

Point Angle: **90° ~ 140°**

R.P.M of Motor: **5300 r.p.m.**

Machine: 300 x 165 x 245 MM

Packing: 380 x 245 x 325 MM

N.W./G.W: 15.3 KGS / 16.3 KGS

Packing size: 1.2'

#### Standard Accessories:

Collet Set: 15 PCS

Alloy collet: 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12

ER-20B Collet: 7 / 8

Chuck Set : 1 Set ( 2 PCS )

CBN#200 Grinding Wheel : 5 PCS

Metal Shim : 0.1MM x 2 PCS

0.3MM x 1 PC

Allen Key : 3MM x 1 PC

4MM x 1 PC

#### ☒ Optional accessories:

Diamond grinding wheel

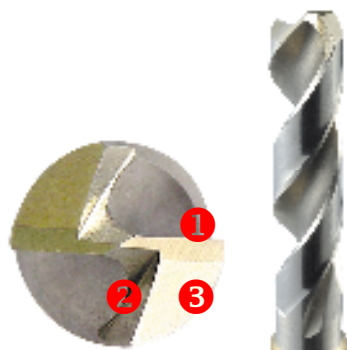
Imperial Collet set : 2.5 ~12.5MM

ER-20B Collet-(Shorted SG drill purposed)

# 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13



## 2009 GSC New Drill Bit Re-Sharpener



**SG High Speed Drill Bit**

Shelf I - Cutting Edge grinding

Shelf II - Relief grinding

Shelf III - Flank face grinding

(Application: 3~13mm)

### GS-12



(Application: 3~13mm)

Model : **GS-12**

Drill type: **SG High Speed Drill Bit**

**3 Rake Drill Bit**

Drill Diameter: **3mm~13mm**

Point Angle: **135°**

R.P.M of Motor: **5300 r.p.m.**

Machine: 300 x 165 x 245 MM

Packing: 380 x 245 x 325 MM

N.W./G.W: 15.5 KGS / 16.5 KGS

Packing size: 1.2'

#### **Standard Accessories:**

Collet Set: 13 PCS

Alloy collet: 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13

ER-20B Collet : 7 / 8

Chuck Set : 1 Set ( 2 PCS )

CBN#200 Grinding Wheel : 5 PCS

Metal Shim : 0.1MM x 2 PCS

0.3MM x 1 PC

Allen Key : 3MM x 1 PC

4MM x 1 PC

#### ☒ **Optional accessories:**

Diamond grinding wheel

Imperial Collet set : 2.5 ~12.5MM

ER-20B Collet-(Shorted SG drill purposed)

# 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13



# GS-13 Cutting off machine

## End. Drill Cutting off machine



### Precise cutting

High performance edge cutting, friend design

Standard cut off capable - $\Phi 3 \sim \Phi 16$

The work will rotate to cut off the radius.

For natural heat release, the hardening material can contain it to a minimum of affection.

It is to reduce cutting time drastically.

It is easy to change work via 3-Jaw chuck

### Solid carbide End Mill Cut Off

Choose cut Disc E100SDC $\Phi 100$



55 seconds to cut off  $\Phi 10$  mm 4 flute  
Solid carbide end mill, 100 seconds to  
cut off  $\Phi 16$  mm

### HSS End Mill Cut Off

Choose cut Disc E60WA $\Phi 100$



60 seconds to cut off  $\Phi 10$ mm 4 flute HSS end mill  
110 seconds to cut off  $\Phi 16$ mm

Model	Main Power	Motor	Work rotation	Cut off capability
GS-13	AC220V/50Hz	250W/5000rpm	250W/150rpm	$\Phi 3 \sim 16$ Solid Carbide · HSS · General steel

### ■Standard



E100SDC( $\Phi 100$ )

Cut Disc /1 PC



E100CBN( $\Phi 100$ )

Cut Disc /1 PC



E60WA( $\Phi 100$ )

Cut Disc /5 PC



3-Jaw Chuck

T Handle/1PC



Allen Key-M3

For Disc change/1PC

# END MILL. DRILL BIT **GS-13 CUTTING OFF MACHINE**

## ◆ Specification-

Standard maximum Cutting dia:13mm, Option: up to 16mm

Cutting type: End Mill (Dia. 3~13mm), Drill-2~13mm

Standard Accessory:1 PC 100 SDC.. (for carbide Work)

1 PC 100 CBN. (for HSS work)

5 PC 60WA ..(for general Work)

Length of cutting work: Around 220mm

Clamping: 3 Jaw Chuck

Motor Speed on grinding wheel: 250W/ 5300 R.P.M.

Motor Speed on work: 250 W/150 R.P.M.

Cutting way: Two motor swivel

Cutting feed: Manual

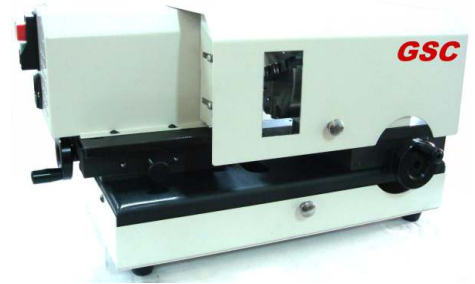
Circle Time: as following table

Cleaning: Scrap Vacuum Collector,

Adjustable vacuum port Dia.: $\varnothing 33.2\text{mm} \pm$

Net Weight of machine: 27.5 KGS

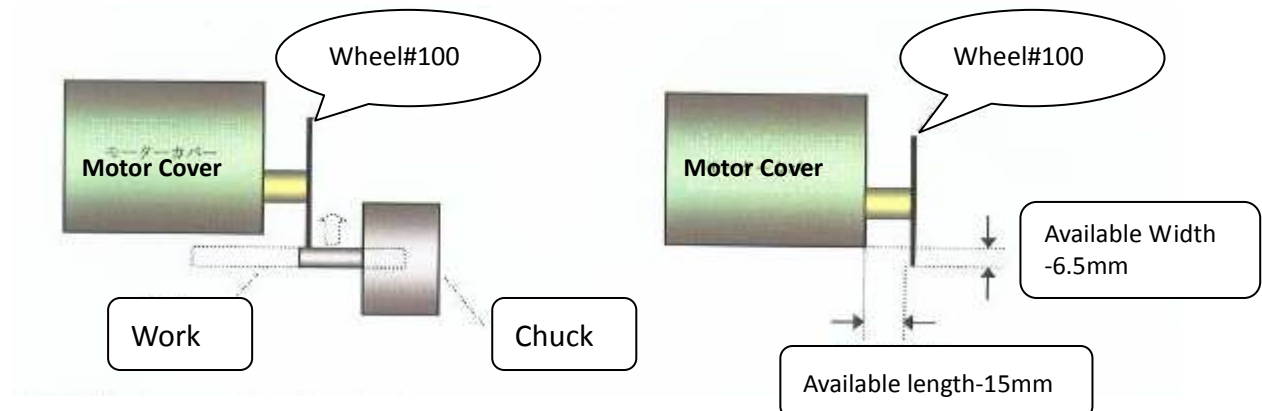
Dimension of machine: 380 X 230 X 220mm



## ◆ GSC wheel details for cutting off

Model		OD. X t X Hole dia.(mm)	Wheel Material	Grain	Quantity
100SDC	Standard	100 X 1.4 X 12.7	Diamond. Electroplated	# 100	1 PCS
60WA	Standard	100 X 1.05 X 12.7	WA	# 60	5 PCS/SET
100SDC-115	Option	115 X 1.4 X 12.7	Diamond. Electroplated	#100	1 PC
100CBN-115	Option	115 X 1.4 X 12.7	Borazon. Electroplated	#100	1 PC

## ◆ The illustration of cutting position length for work-piece between wheel.



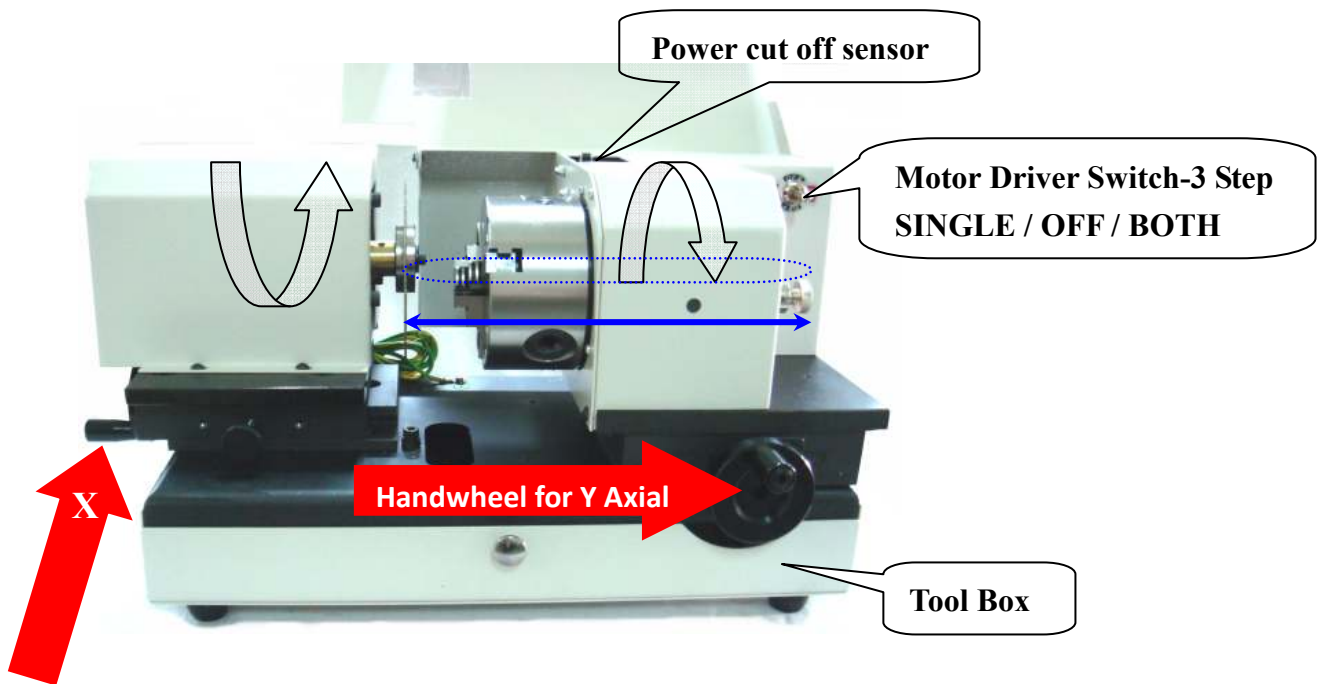
## ◆ For more understanding the cutting off machine, please refer to the table as below to apply the cutting distance between the drill tip and wheel.

Model	Material of Work piece	Wheel OD	Cutting length L=mm / MAX.
100SDC	Solid Carbide	$\varnothing 100\text{mm}$	( $\varnothing 3 \sim 13$ ) L=Discretionary ( $\varnothing 13 \sim 16$ ) L=15
60WA	HSS. Steel	$\varnothing 100\text{mm}$	( $\varnothing 3 \sim 16$ ) L=15mm Max.
100SDC-115	Solid Carbide	$\varnothing 115\text{mm}$	( $\varnothing 3 \sim 16$ ) L= Discretionary
100CBN-115	HSS. Steel	$\varnothing 115\text{mm}$	( $\varnothing 3 \sim 16$ ) L= Discretionary

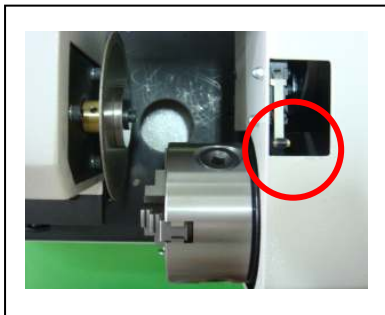
## ◆ While feeding as arrow direction by using $\varnothing 100\text{mm}$ wheel to cut off the tool, the protruding distance from motor cover can cut the tool of which radius is 6.5mm, hence total cutting tool of which diameter is 13mm.

## ◆ 60WA is applied for cutting small drill diameter; therefore, if want to cut the length of tool beyond 15mm for HSS and Steel material, please choose 100CBN-115 to ensure external diameter stability.

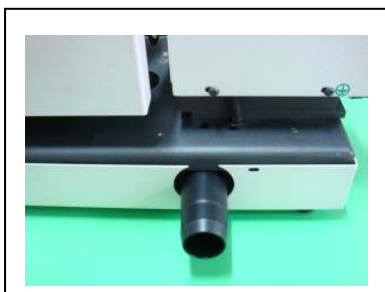




- ◆ Left side on tool box is for dust collector.
- ◆ Right side on tool box can put standard accessory.
- ◆ The safe applicable length of work as blue mark is around 220mm and enough to meet users' demand. The work over 220mm could be cut off, but should care about the work protrude out of machine body.



- ◆ To open the protective cover while the machine started, the power cut off sensor will cut all power on the machine.
- ◆ Please properly connect the green earth line before operating.



- ◆ The vacuum port located behind machine, please clean the machine each time to extend machine and durable parts lifespan.
- ◆ The vacuum port is design for easily keep users' health and help cleaning job.

- The maximum I.D. of three-jaw Chuck for GS-13 is 16mm, the max. diameter of work up to 16mm. (Drawing)
- The length via through-out of chuck is around 220mm, the length of work could be extended over the standard limitation, only it protruded out of body.



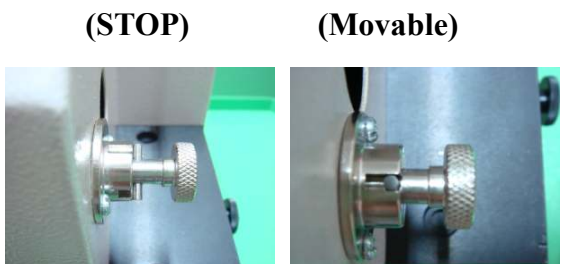
**Drawing A.**

- The switch for motor controller.  
Right-Both motor drive (General)  
Middle-Off  
Left- Motor of wheel drive
- ※ When the machine is running, power supply will be cut if suddenly switching the controller. (Drawing B)



**Drawing B**

- The motor rotation stopper is design for stopping the work on three-jaw chuck side is unable to be moved.
- Generally start to cut the work, the stopper should be set at movable position.



**Drawing C**

#### ◎Cutting capacity-

Disc material	Diameter	4 flute Carbide end mill	4 flute Stainless end mill	Circle time
E60 WA 100	Ø10mm		55 sec.	100 times
	Ø16mm		100 sec.	
E100 SD 100	Ø10mm	60 sec.		250 times
	Ø16mm	110 sec.		





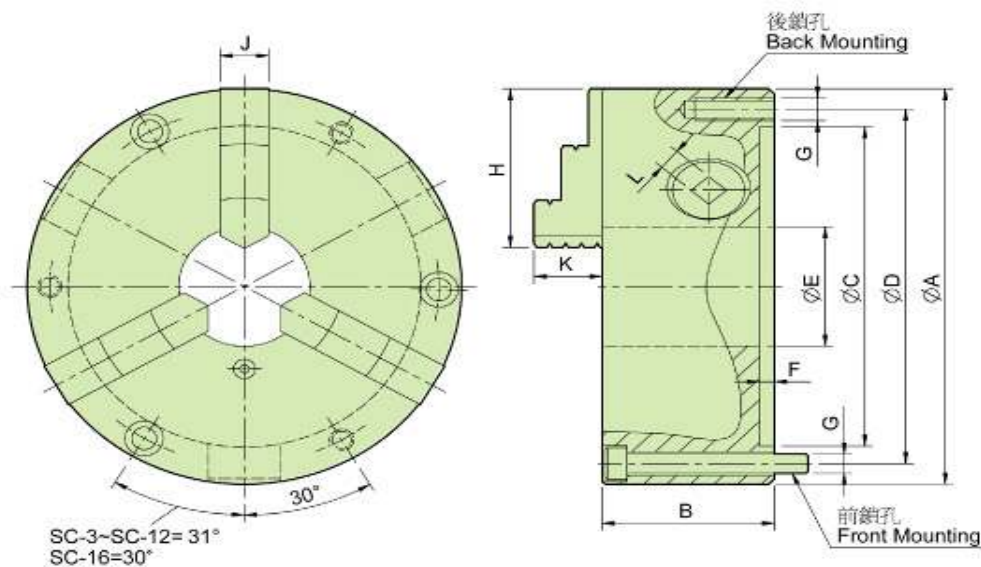
SC

SERIES

## SPECIFICATIONS:

### 3-JAW SCROLL CHUCK PLAIN BACK, SOLID JAWS.

1. Interchangeable utilization of internal and external hard jaws.
2. SC types feature economical and durable, suitable for mass production.
3. Gripping accuracy of 0.03mm (0.012inch) T.I.R..
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular chucks.



## SPECIFICATIONS:

UNIT:mm

Model	Dim											Allowable Handle Torque (kgf.m)	Gripping Force (kgf)	Moment of Inertia I (kgf.m <sup>2</sup> )	Weight (kg)	Max. Speed (r.p.m.)	Gripping Range		
	A	B	C	D	E	F	G		H	J	K						L	O.D. range	I.D. range
SC-3	88	48	60	73	16	4	3-M8	3-M8x55	38	11	15	7	3.0	900	—	1.7	3500	ø2-ø70	ø24-ø64
SC-4	112	60	80	95	24	4.8	3-M8	3-M8x70	42	14	16.8	8	4.5	1200	—	3.7	2500	ø3-ø90	ø32-ø84
SC-5	132	60	100	115	32	4.8	3-M8	3-M8x70	50	16	20.3	8	6.5	1500	0.01	5.2	2500	ø3-ø110	ø35-ø100
SC-6	167	67	130	147	45	5.5	3-M10	3-M10x70	63	19	23.7	10	9.0	3300	0.03	9.3	4000	ø4-ø180	ø48-ø150
SC-7	192	78.5	155	172	58	5.5	3-M10	3-M10x80	77	21.5	29.4	11	11.0	3800	0.06	14.2	3500	ø4-ø180	ø56-ø170
SC-8	200	78.5	160	176	58	5.5	3-M10	3-M10x80	77	21.5	29.4	11	11.0	3800	0.07	16	3200	ø4-ø180	ø56-ø170
SC-9	232	84	190	210	70	6	3-M12	3-M12x90	87	24	35.6	12	15.0	3900	0.15	22.7	2900	ø5-ø220	ø62-ø210
SC-10	273	87	230	250	89	8	3-M12	3-M12x90	98	26	39.5	12	19.5	4800	0.25	31.8	2500	ø6-ø280	ø70-ø250
SC-12	310	96	260	285	105	7	3-M12	3-M12x110	110	30	45.8	14	21.0	5100	0.58	44.8	2200	ø10-ø300	ø86-ø290
SC-16	405	122	345	375	160	8.7	—	3-M14x130	146	42	56.3	15	23.0	4500	1.75	102	1500	ø14-ø400	ø100-ø380



## 2010 GSC New Drill Bit Re-Sharpener



### GS-14



Model : **GS-14**

Drill type: **3 Flute twist Drill Bit**

Drill Diameter: **3mm~13mm**

Point Angle: **118° ~ 140°**

R.P.M of Motor: **5300 r.p.m.**

Machine: 286 x 133 x 155 MM

Packing: 312 x 196 x 260 MM

N.W./G.W: 8 KGS / 9 KGS

Packing size: 0.48'

#### **Standard Accessories:**

Collet Set: 11 PCS

Chuck Set : 1 Set ( 2 PCS )

CBN#200 Grinding Wheel : 1 PCS

Metal Shim : 0.1MM x 2 PCS

0.3MM x 1 PC

Allen Key : 3MM x 1 PC

4MM x 1 PC

#### ☒ **Optional accessories:**

**SD** grinding wheel

Imperial Collet set : 2.5 ~12.5MM





# Drill Application on grinder GS-19

<div>High Speed Drill Grinding</div> <div></div>	<div>GS-19</div> <div></div>	<div>3 Rake Drill Grinding</div> <div></div>
<div>Drill type: with one relief angle grinding (It is always used in Europe)</div>	<div>Drill type: with two relief angle grinding (It is used in Japan and Europe)</div>	
<div>Grinding Range: 2~13mm, Grinding Angle: 118°~140°</div>	<div>Grinding Range: 2~13mm Grinding Angle: 135°</div>	
<div>Grinding sequence on Port I 、 II</div>	<div>Grinding sequence on Port I 、 II 、 III</div>	
<div>Model : <b>GS-19</b></div> <div>Drill type:<b>2 Rake &amp; 3 Rake Drill Bit</b></div> <div>Drill Diameter: <b>2mm~13mm</b></div> <div>Point Angle:<b>118° ~ 140°</b></div> <div>R.P.M of Motor: <b>5300 r.p.m.</b></div> <div>Machine: 286 x 133 x 155 MM</div> <div>Packing: 312 x 196 x 260 MM</div> <div>N.W./G.W: 8 KGS / 9 KGS</div> <div>Packing size: 0.48'</div>	<div><b>Standard Accessories:</b></div> <div>Collet Set: 12 PCS</div> <div>Chuck Set : 1 Set ( 2 PCS )</div> <div>CBN#200 Grinding Wheel : 1 PCS</div> <div>Metal Shim : 0.1MM x 2 PCS</div> <div>0.3MM x 1 PC</div> <div>Allen Key : 3MM x 1 PC</div> <div>4MM x 1 PC</div> <div><input checked="" type="checkbox"/> <b>Optional accessories:</b></div> <div><b>SD</b> grinding wheel</div> <div>Imperial Collet set : 2.5 ~12.5MM</div>	

# GS-26

# End Mill Resharpener

Super Simple / Super Easy / Super Fast / Super Efficiency



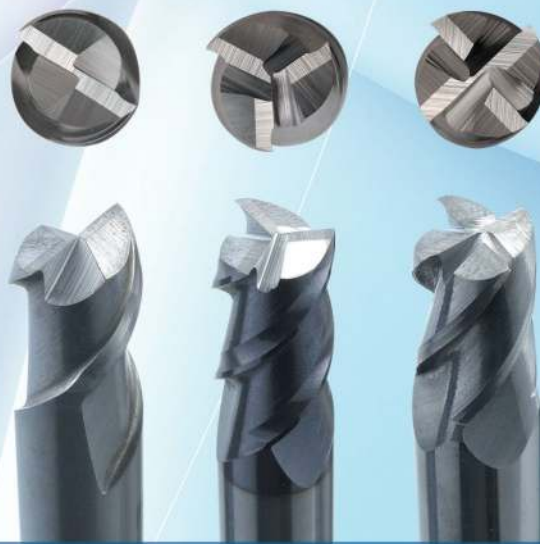
MODEL	GS-26
End Mill Diameter	10~26mm
Power Supply	AC110V 50/60Hz, AC220V (Opt.)
R.P.M of Motor	4600 R.P.M.
Grinding Wheel	Standard-SD# Wheel for carbide mills Option -CBN#100 for HSS mills
Weight of machine	28 KGS
Weight of auxiliary	44 KGS
Machine Packing Size	L:510mm W:290mm H:270mm
Trolley Packing Size	L:710mm W:400mm H:860mm
Standard Accessories	Collets X 16 PCS
	Chuck Set: 1 Set (4 PCS)
	Bushing: 5 PCS
	Allen Key: 3mm x 1 PC / 5mm x1PC

Auxiliary implement contains dust collector device and trolley with caseter

## Money / Time / Cost

Resource Saving Machine  
– Your Best Choice

- Fast grinding  
Regind an Endmill within one minute
- Easy to learn
- Economic price







## 2009 GSC New Drill Bit Resharpener



**Twist Drill Bit**

Shelf I - Cutting Edge grinding  
 Shelf II - Second face grinding  
 Shelf III - Relief grinding  
 (Application : Over 110 Degree)

### GS-34



Deep hole drill



90° NC Spotting Drill



118° Twist drill



140° Twist Drill

Model : **GS-34**

Drill type: **Twist Drill Bit**

Drill Diameter: **11.1mm~34mm**

Point Angle: **90° ~ 140°**

R.P.M of Motor: **4600**

Machine: 365 x 204 x 223 MM

Packing: 430 x 270 x 270 MM

N.W./G.W: 21.3 KGS / 26 KGS

Packing size: 1.35 '

#### Standard Accessories:

Standard Collet Set: #12~25.4mm, 15 PCS

ER 50 Collet Set: #26~34mm, 5 PCS

Chuck Set : 1 Set ( 2 PCS )

Chuck Set for ER 50 Collet : 1 Set ( 2PCS)

CBN#200 Grinding Wheel : 1 PCS

Metal Shim : 0.1MM x 2 PCS

0.3MM x 1 PC

Allen Key : 3MM x 1 PC

5MM x 1 PC

#### ☒ Optional accessories:

Diamond grinding wheel

Imperial Collet set : 8.5 ~21.5MM