



- SGS-614 F
- SGS-618 F
- SGS-816 M/MR/H/AH
- SGS-1020 M/H/AH/AHR/AHD/SD/PD
- SGS-N1224 H/AH/AHR/AHD/SD/PD
- SGS-1224 AH/AHR/AHD/SD/PD
- SGS-1230 AH/AHR/AHD/SD/PD
- SGS-1632 AHR/AHD/SD/PD
- SGS-1640 AHR/AHD/SD/PD



**精密平面磨床**

Precision Surface Grinder

## ■ SGS-614F

加工範圍: 152mmx355mm

## ■ SGS-618F

加工範圍: 152mmx455mm

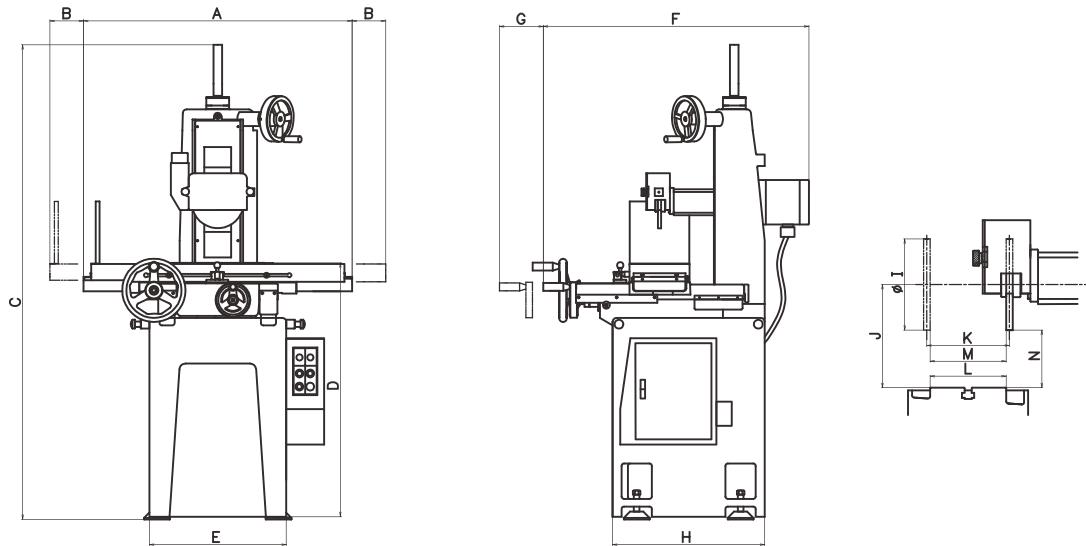


# SGS-614F/618F

## ■ SPECIFICATION 規格表

# SGS-614F/618F

## ■ PROFILE DIMENSION 外觀尺寸



Unit: mm/inch

| Specification/規格   | Models/機型 | SGS-614F                              | SGS-618F                              | SGS-614F | SGS-618F     |
|--|-----------|---------------------------------------|---------------------------------------|----------|--------------|
| Working Surface of table (WxL)<br>工作台面積(寬x長)                       |           | 150x365 (5.9"x14.3")                  | 150x465 (5.9"x18.3")                  | A        | 1080 / 42.5" |
| Max. grinding surface (Wx L)<br>最大研磨面積(寬x長)                        |           | 152x355 (6"x14")                      | 152x455 (6"x18")                      | B        | 190 / 7.5"   |
| Max. horizontal travel of table<br>工作台左右最大行程                       |           | 380 (15")                             | 480 (18.9")                           | C        | 1900 / 74.8" |
| Max. cross travel of table<br>工作台前後最大行程                            |           | 175 (6.9")                            | 175 (6.9")                            | D        | 1000 / 39.4" |
| Distance between table surface and spindle center<br>工作台面與主軸中心最大距離 |           | 400 (15.7")                           |                                       | E        | 540 / 21.3"  |
| Vertical handwheel (1 gra)<br>上下手輪每一刻度                             |           | 0.005 (0.0002")                       |                                       | F        | 965 / 38"    |
| Vertical handwheel (1 rev)<br>上下手輪每一轉                              |           | 1 (0.05")                             |                                       | G        | 82 / 3.2"    |
| Crossfeed handwheel (1 gra)<br>前後手輪每一刻度                            |           | 0.02 (0.001")                         |                                       | H        | 600 / 23.6"  |
| Crossfeed handwheel (1 rev)<br>前後手輪每一轉                             |           | 5 (0.1")                              |                                       | I        | 180 / 7.1"   |
| Spindle motor<br>主軸馬達  |           | 1.5HPx2P                              |                                       | J        | 400 / 15.7"  |
| Grinding wheel (ODxTxID)<br>砂輪尺寸(外徑x厚度x內徑)                         |           | 180x13x31.75 (7"x0.5"x1.25")          |                                       | K        | 163 / 6.4"   |
| Spindle speed (60/50HZ)<br>主軸速度(60/50HZ)                           |           | 3450RPM/60HZ 2850RPM/50HZ             |                                       | L        | 150 / 5.9"   |
| Coolant pump<br>沖水泵浦   |           | 1/8HP                                 |                                       | M        | 152 / 6"     |
| Dust collector motor<br>吸塵馬達                                       |           | 1/2HPx2P                              |                                       | N        | 310 / 12.2"  |
| Net Weight<br>機器淨重   |           | 580kgs (1276lbs)                      | 680kgs (1496lbs)                      |          |              |
| Gross Weight<br>裝箱毛重   |           | 730kgs (1606lbs)                      | 780kgs (1716lbs)                      |          |              |
| Packing dimensions<br>裝箱尺寸   |           | 1340x1040x2100<br>(52.8"x40.9"x82.7") | 1400x1040x2100<br>(55.1"x40.9"x82.7") |          |              |

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## ■ SGS-1020 AHD

加工範圍: 254mmx508mm



## ■ SGS-1224AHD

加工範圍: 304mmx609mm

## ■ SGS-1230AHD

加工範圍: 304mmx762mm



■ **SGS-1632 AHD**  
加工範圍: 406mmx812mm

■ **SGS-1640 AHD**  
加工範圍: 406mmx1016mm



## ■ STANDARD ACCESSORIES

標準附件:

### SGS-614F/618F

|                        |        |
|------------------------|--------|
| Tool box with tools    | 工具箱及工具 |
| Wheel flange           | 法蘭     |
| Grinding wheel         | 砂輪     |
| Wheel balancing arbor  | 平衡棒    |
| Flange extractor       | 法蘭拆具   |
| Diamond dresser        | 鑽石修刀   |
| Diamond dresser base   | 鑽石修刀座  |
| Work light             | 工作燈    |
| Level adjusting screws | 腳螺絲    |
| Adjusting screw pads   | 腳墊盤    |
| Lubricant oil          | 潤滑油    |
| Operation manual       | 操作手冊   |

### SGS-816M~1640

|                        |        |
|------------------------|--------|
| Tool box with tools    | 工具箱及工具 |
| Wheel flange           | 法蘭     |
| Grinding wheel         | 砂輪     |
| Balancing stand        | 平衡台    |
| Wheel balancing arbor  | 平衡棒    |
| Flange extractor       | 法蘭拆具   |
| Diamond dresser        | 鑽石修刀   |
| Diamond dresser base   | 鑽石修刀座  |
| Work light             | 工作燈    |
| Level adjusting screws | 腳螺絲    |
| Adjusting screw pads   | 腳墊盤    |
| Operation manual       | 操作手冊   |

## ■ OPTIONAL ACCESSORIES

特別附件:

|   |          |
|---|----------|
| Coolant equipment                                       | 沖水       |
| Dust suction equipment                                  | 單吸塵      |
| Cool duster   | 吸塵沖水     |
| Coolant system with magnetic separator                  | 磁性過濾水機   |
| Coolant system with paper filter                        | 紙帶過濾水機   |
| Coolant system with paper filter and magnetic separator | 磁性紙帶過濾水機 |
| Manual type overhead parallel dressing attachment       | 手動平行整輪   |
| Hydraulic type overhead parallel dressing attachment    | 油壓平行整輪   |
| Permanent magnetic chuck                                | 永磁夾盤     |
| Electromagnetic chuck                                   | 電磁夾盤     |
| Rotary electromagnetic chuck                            | 可傾電磁夾盤   |
| Electro demagnetizer equipment                          | 電子式脫磁器   |
| Radius forming attachment                               | R成型器     |
| Angle forming attachment                                | 角度成型器    |
| Sine bar  | 正弦棒      |
| Precision Vise  | 精密虎鉗     |

# SGS-816M~1640

## ■ SPECIFICATION 規格表

\* In specification, if there is a \* mark in front of item, it is an optional specification.  
★ 規格表裏，前方有\*記號者，為特別規格。

| Specification/規格   | Models/機型                             | SGS-816<br>M / MR                     | SGS-1020<br>M                         | SGS-816<br>H / AH                     | SGS-1020<br>H/AH/AHR/AHD/SD |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------|
| Working surface of table (WxL)<br>工作台面積 (寬x長)                      | 160x406 (6.3"x16")                    | 230x500 (9"x19.7")                    | 160x406 (6.3"x16")                    | 230x500 (9.1"x19.7")                  |                             |
| Max. grinding surface (WxL)<br>最大研磨面積 (寬x長)                        | 203x406 (8"x16")                      | 254x508 (10"x20")                     | 203x406 (8"x16")                      | 254x508 (10"x20")                     |                             |
| Max. horizontal travel of table<br>工作台左右最大行程                       | 430 (16.9")                           | 540 (21.3")                           | 480 (18.9")                           | 565 (22.2")                           |                             |
| Max. cross travel of table<br>工作台前後最大行程                            | 213 (8.4")                            | 263 (10.4")                           | 213 (8.4")                            | 263 (10.4")                           |                             |
| Distance between table surface and spindle center<br>工作台面與主軸中心最大距離 | 460 (18.1")                           | 500 (19.7")                           | 460 (18.1")                           |                                       | 500 (19.7")                 |
| Table speed<br>工作台左右速度   | M / MR: Manual                        |                                       |                                       |                                       |                             |
| Automatic crossfeed of saddle(60HZ)<br>前後每次進刀量 (60HZ)              | Manual                                |                                       |                                       |                                       |                             |
| Vertical handwheel (1 gra)<br>上下手轉每一刻度                             | 0.01 (0.0005")                        | 0.01 (0.0005")                        | 0.01 (0.0005")                        |                                       |                             |
| Vertical handwheel (1 rev)<br>上下手輪每一轉                              | 2 (0.1")                              | 2 (0.1")                              | 2 (0.1")                              |                                       |                             |
| Crossfeed handwheel (1 gra)<br>前後手輪每一刻度                            | 0.02 (0.001")                         | 0.01 (0.0005")                        | 0.02 (0.001")                         |                                       |                             |
| Crossfeed handwheel (1 rev)<br>前後手輪每一轉                             |                                       |                                       |                                       |                                       |                             |
| Downfeed micro adjustment (1 gra)<br>上下微調進刀量每一刻度                   | MR: 0.002 (0.0001")                   |                                       |                                       |                                       |                             |
| Downfeed micro adjustment (1 rev)<br>上下微調進刀量每一轉                    | MR: 0.2 (0.01")                       |                                       |                                       |                                       |                             |
| Longitudinal travel adjustable (from-to)<br>左右行程調整距離               | Manual                                | 50~406 (2"x16")                       | 50~508 (2"x20")                       |                                       |                             |
| Crossfeed travel adjustable (from-to)<br>前後行程調整距離                  | Manual                                |                                       |                                       | 0~254 (0"~10")                        |                             |
| Spindle motor<br>主軸馬達  | 2HPx2P                                | 2HPx2P (*3HPx2P)                      | 2HPx2P                                |                                       | 2HPx2P                      |
| Hydraulic pump motor<br>油壓泵馬達                                      | None                                  |                                       |                                       | H / AH / AHR : 1HPx6P                 | AHD : 1HPx6P                |
| Crossfeed motor<br>前後馬達  | None                                  |                                       |                                       |                                       |                             |
| Downfeed motor<br>上下馬達   | MR : 1/5HPx6P                         |                                       |                                       |                                       |                             |
| Grinding wheel (ODxTxID)<br>砂輪尺寸 (外徑x厚度x內徑)                        |                                       |                                       | 205x13x31.75 (8"x0.5"x1.25")          |                                       |                             |
| Spindle speed (60/50HZ)<br>主軸速度 (60/50HZ)                          |                                       |                                       | 3500RPM /60HZ (2900RPM/50HZ)          |                                       |                             |
| Coolant motor<br>沖水泵馬達   |                                       |                                       |                                       |                                       |                             |
| Dust collector motor<br>吸塵馬達                                       |                                       |                                       |                                       |                                       |                             |
| Net Weight<br>機器重量   | 650kgs (1430lbs)                      | 1200kgs (2640lbs)                     | 700kgs (1540lbs)                      | 1350kgs (2970lbs)                     |                             |
| Gross Weight<br>裝箱毛量   | 800kgs (1760lbs)                      | 1400kgs (3080lbs)                     | 900kgs (1980lbs)                      | 1600kgs (3520lbs)                     |                             |
| Packing dimensions<br>裝箱尺寸   | 1360x1140x1940<br>(53.5"x44.8"x76.3") | 1860x1520x2050<br>(73.2"x59.8"x80.7") | 1460x1460x1940<br>(57.4"x57.4"x76.3") | 2060x1680x2050<br>(81.1"x66.1"x80.7") |                             |

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M: Manual type.  
 MR: Manual type with rapid up-down feed.  
 H: Hydraulic longitudinal feed.  
 AH: Auto longitudinal and cross feed.  
 AHR: AH type with rapid up-down feed.  
 AHD: Auto longitudinal, cross, and down feed.  
 SD: Auto longitudinal, cross feed, and servo down feed.

M: 手動機種  
 MR: 手動機種+上下快送  
 H: 左右油壓  
 AH: 前後左右自動、上下手動  
 AHR: AH機種+上下快送  
 AHD: 三軸自動  
 SD: AH機種+上下伺服控制

Unit: mm/inch

| /PD | SGS-N1224<br>H/AH/AHR/AHD/SD/PD | SGS-1224<br>AH/AHR/AHD/SD/PD | SGS-1230<br>AH/AHR/AHD/SD/PD | SGS-1632<br>AH/AHD/SD/PD | SGS-1640<br>AH/AHD/SD/PD |
|-----|---------------------------------|------------------------------|------------------------------|--------------------------|--------------------------|
|     | 260x600 (10.2"x23.6")           | 260x600 (10.2"x23.6")        | 260x750 (10.2"x29.5")        | 400x800 (15.7"x31.5")    | 400x1000 (15.7"x39.4")   |
|     | 304x609 (12"x24")               | 304x609 (12"x24")            | 304x762 (12"x30")            | 406x812 (16"x32")        | 406x1016 (16"x40")       |
|     | 690 (27.2")                     |                              | 840 (33.1")                  | 960 (37.8")              | 1160 (45.7")             |
|     | 313 (12.3")                     | 332 (13.1")                  |                              | 450 (17.7")              |                          |
|     | 600 (19.7")                     | 600 (23.6")                  |                              | 620 (24.4")              |                          |

H / AH / AHR / AHD : 6~25M/min (240~1000 inch/min) SD / PD : 2~26M/min (80~1040 inch/min)

|                |                  |
|----------------|------------------|
| 0~9 (0"~0.35") | 0~12 (0"~0.47")  |
| 0.01 (0.0005") | 0.005 (0.00025") |
| 2 (0.1")       | 1 (0.05")        |
| 0.01 (0.005")  |                  |
| 4 (0.2")       |                  |

AHD : 0.002 (0.0001") SD / PD : 0.001 (0.00005")

|              |                   |                     |
|--------------|-------------------|---------------------|
|              | AHD : 0.2 (0.01") |                     |
|              | 50~609 (2"x24")   | 50~762 (2"x30")     |
|              | 0~304 (0"~12")    | 0~406 (0"~16")      |
| x2P (*3Px2P) | 5HPx4P            | 7.5HPx4P (*10HPx4P) |

/ SD / PD : 2HPx6P

|   |  |
|---|--|
| AHR : 1/5HPx6P AHD : 1/4HPx4P SD/PD : Servo Motor | AH : 1/4x4P AHD : 1/4HPx6P SD/PD : Servo Motor |
|   | 355x32x127 (14"x1.25"x5")                      |

1750RPM /<sub>60</sub>Hz (1450RPM /<sub>50</sub>Hz)

|                                    |                                   |
|------------------------------------|-----------------------------------|
| 1/8HP (*1/4HP)                     |                                   |
| 1/2HPx2P                           |                                   |
| 1400kgs (3080lbs)                  | 1850kgs (4070lbs)                 |
| 1650kgs (3630lbs)                  | 2150kgs (4730lbs)                 |
| 2230x1670x2050 (87.7"x65.7"x80.7") | 2260x1740x2210 (88.9"x68.5"x87")  |
| 2260x1740x2210 (88.9"x68.5"x87")   | 2780x2210x2250 (109.4"x87"x88.5") |
|                                    | 3150x2210x2250 (124"x87"x88.5")   |

# 經濟型精密平面磨床

ECONOMIC TYPE PRECISION SURFACE GRINDER

**SGS-2040~S2460 AH/AHD/SD**

| Models/機型<br>Specification/規格                  | SGS-2040<br>AH/AHD/SD | SGS-2060<br>AH/AHD/SD | SGS-2460<br>AH/AHD/SD |
|--|-----------------------|-----------------------|-----------------------|
| Working Surface of table. (W x L)<br>工作台面積 寬x長 | 500 x 1000            | 500 x 1500            | 600 x 1500            |
| Max. grinding surface. (W x L)<br>最大研磨面積 寬x長   | 500 x 1000            | 500 x 1500            | 600 x 1500            |
| Max. Horizontal travel of table.<br>工作台左右最大行程  | 1160                  |                       | 1650                  |

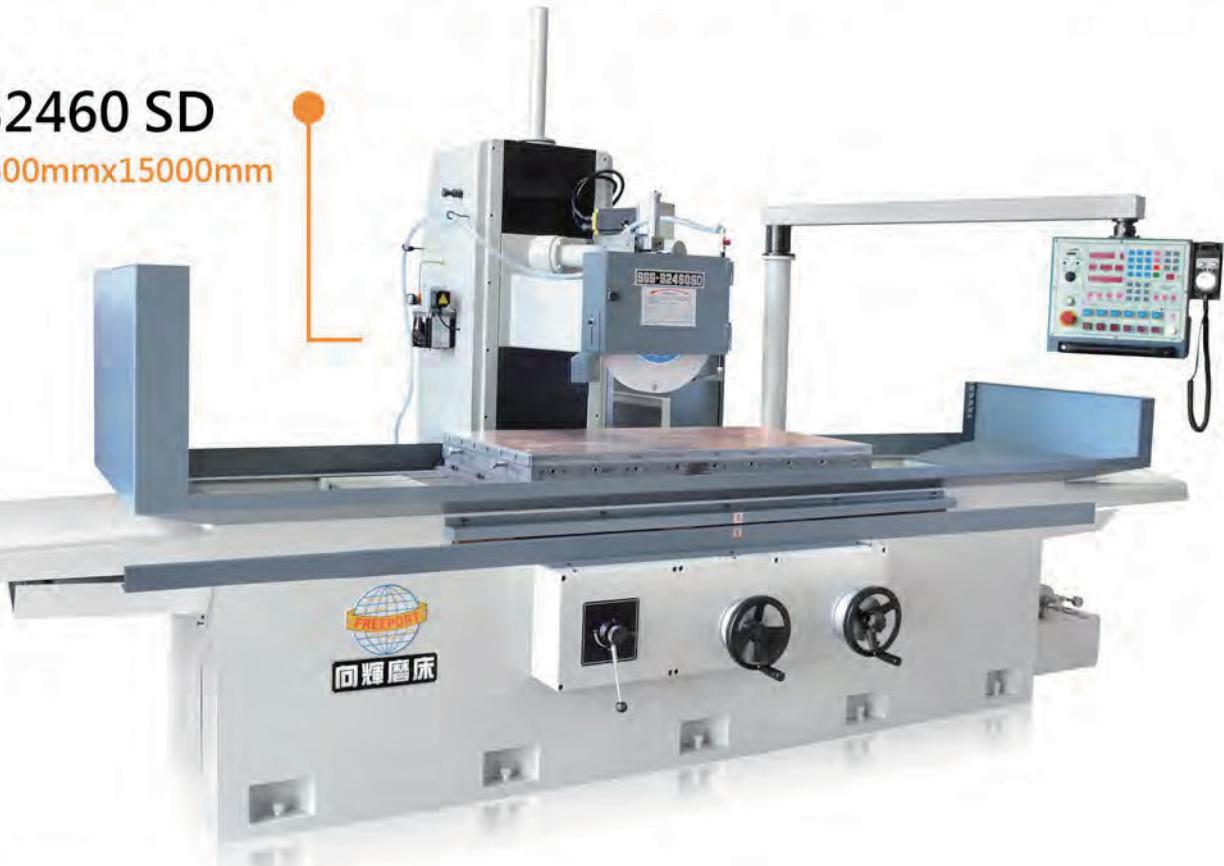
**SGS-2040 AHD**

加工範圍:500mmx1000mm



# SGS-S2460 SD

加工範圍:600mmx15000mm



SGS-“S”2460為我司特別針對較大面積研磨開發的經濟型機種，其機身結構乃由我司較小動柱式機型SGS-2060(500x1500)延伸，與我司專為重切削開發之SGS-2460/2480系列不同。主要的差異如下：

## 1. 控制系統：

2460/2480AHD上下進刀採用美國製Baldor AC伺服馬達驅動，搭配面板數字顯示及手脈微調控制。“S”2460AHD上下進刀採用油壓機械式自動進刀系統+上下快速傳統馬達。SD系統為選配。

## 2. 油壓系統：

2460/2480AHD工作台採用比例式流量閥控制，可細微調整行進速度便利精密加工。  
“S”2460AHD工作台進刀採用傳統電磁感應式油壓閥控制。

## 3. 結構方面：

2460/2480AHD專為重切削開發設計，其機身及上機架均較為厚實。(NW: 7500/8500 KGS)。  
“S”2460AHD為SGS-2060AHD機台加上較大工作台。(NW: 6000 KGS)。

## 4. 切削能力：

2460/2480AHD使用標準10HPx6P主軸馬達(台灣大同廠製)，砂輪510x50x127mm (可選配升級FUJI V3級15HPx6P主軸馬達，砂輪510x75x203mm)。  
“S”2460AHD使用標準10HPx4P主軸馬達(台灣愛德力廠製)，砂輪405x50x127mm。

## 5. 配件方面：

2460/2480AHD標準配備含有哈柏油壓冷卻器及磁性紙帶過濾沖水機。“S”2460AHD上述需加購選配。

Basically the "S" model is based upon the 2040/2060 series with a larger work-table. I have listed the main differences below:

## 1. Control wise :

2460 servo down-feed with numerical display & micron pulsar v.s. “S”2460 traditional auto down-feed. SD type optional.

## 2. Hydraulic :

2460 uses proportional hydraulic system which allows smooth movement and various speed adjustment v.s. “S”2460 has the traditional hydraulic system.

## 3. Strucure wise :

2460 net weight 7500 kg. v.s. “S”2460 net weight 6000 kg (two whole diff structure).

## 4. Cutting capability :

2460 uses 10HP x 6P motor with 510 x 50 x 127mm wheel. (510 x 75 x 203mm wheel optional) v.s. “S”2460 uses 10HP x 4P motor with 405 x 50 x 127mm wheel.

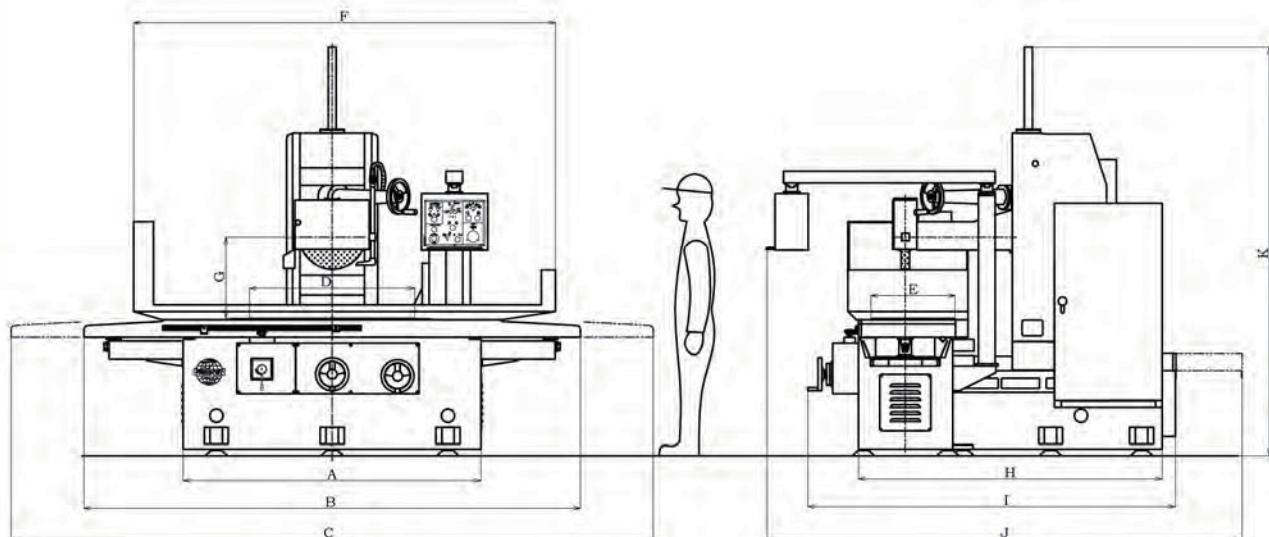
## 5. Accessory :

2460 comes with standard coolant with paper filter & magnetic separator and the Habor coolant system for hydraulic tank.

# 經濟型精密平面磨床

ECONOMIC TYPE PRECISION SURFACE GRINDER

**SGS-2040~S2460 AH/AHD/SD**



Unit : mm

|   | SGS-2040<br>AH/AHD/SD | SGS-2060<br>AH/AHD/SD | SGS-2460<br>AH/AHD/SD |
|---|-----------------------|-----------------------|-----------------------|
| A | 1800                  | 2725                  | 2800                  |
| B | 3000                  | 4350                  | 4350                  |
| C | 4160                  | 6000                  | 6200                  |
| D | 1016                  | 1524                  | 1524                  |
| E | 508                   | 508                   | 608                   |
| F | 2550                  | 3445                  | 3445                  |
| G | 600                   | 600                   | 600                   |
| H | 1830                  | 1830                  | 2100                  |
| I | 2220                  | 2220                  | 2480                  |
| J | 2780                  | 2780                  | 3040                  |
| K | 2420                  | 2420                  | 2420                  |

## SPECIFICATION 規格表

In specification, if there is a \* mark in front of item, it is an optional specification.

規格表裡,前方有\*記號者,為特別規格。

Unit : mm

| Specification/規格   | Models/機型          | SGS-2040<br>AH/AHD/SD                                   | SGS-2060<br>AH/AHD/SD | SGS-2460<br>AH/AHD/SD |
|--|--------------------|---|-----------------------|-----------------------|
| Working Surface of table. (WxL)<br>工作台面積 寬x長                       | 500X1000           | 500X1500  | 600X1500              |                       |
| Max. Grinding surface. (WxL)<br>最大研磨面積 寬x長                         | 500X1000           | 500X1500  | 600X1500              |                       |
| Max. Horizontal travel of table.<br>工作台左右最大行程                      | 1160               |   | 1650                  |                       |
| Max. Cross travel of table.<br>工作台前後最大行程                           |                    | 550   |                       | 650                   |
| Distance between table surface and spindle center<br>工作台面與主軸中心最大距離 |                    | 600   |                       |                       |
| Table speed<br>工作台左右速度   |                    | 5~25 M/min (15~80 fpm)                                  |                       |                       |
| Automatic crossfeed of saddle(60HZ)<br>前後每次進刀量 60HZ                |                    | 0~25 (0"~1")  |                       |                       |
| Vertical handwheel (1 gra)<br>上下手轉每一刻度                             |                    | AH/AHD: 0.002 (0.0001") / SD: 0.001(0.00005")/min scale |                       |                       |
| Vertical handwheel (1 rev)<br>上下手轉每一轉                              |                    | 0.5 (0.02")   |                       |                       |
| Crossfeed handwheel (1 gra)<br>前後手輪每一刻度                            |                    | 0.02 (0.001")   |                       |                       |
| Crossfeed handwheel (1 rev)<br>前後手輪每一轉                             |                    | 5 (0.2")  |                       |                       |
| Doenfeed mirco asjustment (1 gra)<br>上下微調進刀量每一刻度                   |                    | 0.005 (0.0002")   |                       |                       |
| Doenfeed mirco asjustment (1 rev)<br>上下微調最大進刀量(每次)                 |                    | 0.05 (0.002")   |                       |                       |
| Longitudinal travel adjustable (from-to)<br>左右行程調整距離               | 150 ~ 1100         |   | 150 ~ 1600            |                       |
| Crossfeed travel adjustable (from-to)<br>前後行程調整距離                  |                    | 0 ~ 510   |                       | 0 ~ 610               |
| Spindle motor<br>主軸馬達  |                    | 10HP x 4P   |                       |                       |
| Hydraulic pump motor<br>油壓泵馬達                                      |                    | 5HP x 4P  |                       |                       |
| Crossfeed motor<br>前後馬達  |                    | 1/4HP x 6P  |                       |                       |
| Downfeed motor<br>上下馬達   |                    | AH/AHD : 1/2HP x 4P / SD : AC SERVO                     |                       |                       |
| Grinding wheel (ODxTxID)<br>砂輪尺寸 (外徑x厚度x內徑)                        |                    | 405 x 50 x 127  |                       |                       |
| Spindle speed 60/50HZ<br>主軸速度 60/50HZ                              |                    | 1750 RPM/60HZ 1450 RPM/50HZ                             |                       |                       |
| Coolant motor<br>沖水泵馬達   |                    | 1/8HP   |                       |                       |
| Max. Load capacity caddition to magnetic chack<br>工作台最大荷重          | 1000 kgs           | 1200 kgs  | 1300 kgs              |                       |
| Net Weight<br>機器重量   | 4500 kgs           | 5000 kgs  | 6000 kgs              |                       |
| Gress Weight<br>裝箱毛量   | 5000 kgs           | 5500 kgs  | 7000 kgs              |                       |
| Packing dimensions (LxWxH)<br>裝箱尺寸 (長x寬x高)                         | 3370 x 2280 x 2226 | 4580 x 2280 x 2220                                      | 5180 x 2640 x 2300    |                       |

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# 重切削型精密平面磨床

HEAVY DUTY TYPE PRECISION SURFACE GRINDER

**SGS-2448~34188 AHD/PNC**

Unit : mm

| Models/機型<br>Specification/規格                  | SGS-2448<br>AHD/PNC | SGS-2460<br>AHD/PNC | SGS-2480<br>AHD/PNC | SGS-24100<br>AHD/PNC |
|--|---------------------|---------------------|---------------------|----------------------|
| Working Surface of table. (W x L)<br>工作台面積 寬x長 | 600 x 1200          | 600 x 1500          | 600 x 2000          | 600 x 2500           |
| Max. grinding surface. (W x L)<br>最大研磨面積 寬x長   | 600 x 1200          | 600 x 1500          | 600 x 2000          | 600 x 2500           |
| Max. Horizontal travel of table.<br>工作台左右最大行程  | 1350                | 1650                | 2150                | 2650                 |

| Models/機型<br>Specification/規格                  | SGS-24120<br>AHD/PNC | SGS-24140<br>AHD/PNC | SGS-24160<br>AHD/PNC |
|--|----------------------|----------------------|----------------------|
| Working Surface of table. (W x L)<br>工作台面積 寬x長 | 600 x 3000           | 600 x 3500           | 600 x 4000           |
| Max. grinding surface. (W x L)<br>最大研磨面積 寬x長   | 600 x 3000           | 600 x 3500           | 600 x 4000           |
| Max. Horizontal travel of table.<br>工作台左右最大行程  | 3150                 | 3650                 | 4150                 |



**SGS-3468 AHD**  
加工範圍:850mmx1700mm



## SGS-2448 AHD

加工範圍:600mmx1200mm



Unit : mm

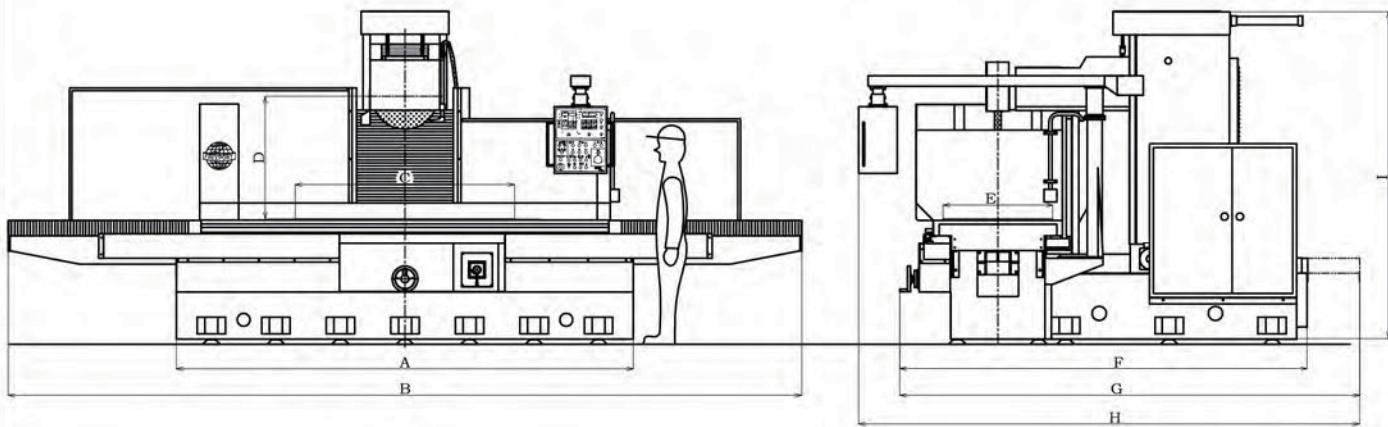
| Models/機型<br>Specification/規格                  | SGS-3468<br>AHD/PNC | SGS-3488<br>AHD/PNC | SGS-34128<br>AHD/PNC | SGS-34188<br>AHD/PNC |
|--|---------------------|---------------------|----------------------|----------------------|
| Working Surface of table. (W x L)<br>工作台面積 寬x長 | 850 x 1700          | 850 x 2200          | 850 x 3200           | 850 x 4700           |
| Max. grinding surface. (W x L)<br>最大研磨面積 寬x長   | 850 x 1700          | 850 x 2200          | 850 x 3200           | 850 x 4700           |
| Max. Horizontal travel of table.<br>工作台左右最大行程  | 1850                | 2350                | 3350                 | 4850                 |

# 重切削型精密平面磨床

HEAVY DUTY TYPE PRECISION SURFACE GRINDER

**SGS-2448~34188 AHD/PNC**

PROFILE DIMENSION 機器外觀



**SGS-3488 PNC**

加工範圍:850mmx2200mm



Unit : mm

|   | SGS-2448<br>AHD/PNC | SGS-2460<br>AHD/PNC | SGS-2480<br>AHD/PNC | SGS-24100<br>AHD/PNC | SGS-24120<br>AHD/PNC | SGS-24160<br>AHD/PNC | SGS-2468<br>AHD/PNC | SGS-2488<br>AHD/PNC | SGS-34128<br>AHD/PNC | SGS-34188<br>AHD/PNC |
|---|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|---------------------|---------------------|----------------------|----------------------|
| A | 2000                | 3000                | 4000                | 5000                 | 6000                 | 8000                 | 3540                | 4540                | 6540                 | 9540                 |
| B | 3300                | 5800                | 6800                | 8000                 | 9200                 | 11600                | 6150                | 7500                | 10200                | 13340                |
| C | 1200                | 1500                | 2000                | 2500                 | 3000                 | 4000                 | 1700                | 2000                | 3200                 | 4700                 |
| D | 800                 | 800                 | 800                 | 800                  | 800                  | 800                  | 950                 | 950                 | 950                  | 950                  |
| E | 600                 | 600                 | 600                 | 600                  | 600                  | 600                  | 850                 | 850                 | 850                  | 850                  |
| F | 2885                | 2885                | 2885                | 2885                 | 2885                 | 2885                 | 3155                | 3155                | 3155                 | 3155                 |
| G | 3295                | 3295                | 3295                | 3295                 | 3295                 | 3295                 | 3565                | 3565                | 3565                 | 3565                 |
| H | 3720                | 3720                | 3720                | 3720                 | 3720                 | 3720                 | 3885                | 3885                | 3885                 | 3885                 |
| I | 2390                | 2390                | 2390                | 2390                 | 2390                 | 2390                 | 2550                | 2550                | 2550                 | 2550                 |

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Unit : mm

| Models/機型<br>Specification/規格                  | SGS-3468<br>AHD/PNC | SGS-3488<br>AHD/PNC |
|--|---------------------|---------------------|
| Working Surface of table. (W x L)<br>工作台面積 寬x長 | 850 x 1700          | 850 x 2200          |
| Max. grinding surface. (W x L)<br>最大研磨面積 寬x長   | 850 x 1700          | 850 x 2200          |
| Max. Horizontal travel of table.<br>工作台左右最大行程  | 1850                | 2350                |

| Models/機型<br>Specification/規格                  | SGS-34128<br>AHD/PNC | SGS-34188<br>AHD/PNC |
|--|----------------------|----------------------|
| Working Surface of table. (W x L)<br>工作台面積 寬x長 | 850 x 3200           | 850 x 4700           |
| Max. grinding surface. (W x L)<br>最大研磨面積 寬x長   | 850 x 3200           | 850 x 4700           |
| Max. Horizontal travel of table.<br>工作台左右最大行程  | 3350                 | 4850                 |



# 重切削型精密平面磨床

HEAVY DUTY TYPE PRECISION SURFACE GRINDER

SGS-2448~34188 AHD/PNC

| Models/機型<br>Specification/規格                                      | SGS-2448<br>AHD/PNC | SGS-2460<br>AHD/PNC | SGS-2480<br>AHD/PNC | SGS-24100<br>AHD/PNC |
|--|---------------------|---------------------|---------------------|----------------------|
| Working Surface of table. (WxL)<br>工作台面積 寬x長                       | 600 x 1200          | 600 x 1500          | 600 x 2000          | 600 x 2500           |
| Max. Grinding surface. (WxL)<br>最大研磨面積 寬x長                         | 600 x 1200          | 600 x 1500          | 600 x 2000          | 600 x 2500           |
| Max. Horizontal travel of table.<br>工作台左右最大行程                      | 1350                | 1650                | 2150                | 2650                 |
| Max. Cross travel of table.<br>工作台前後最大行程                           |                     |                     |                     |                      |
| Distance between table surface and spindle center<br>工作台面與主軸中心最大距離 |                     |                     |                     |                      |
| Table speed<br>工作台左右速度   |                     |                     |                     | 5~25 M/min           |
| Automatic crossfeed of saddle(60HZ)<br>前後每次進刀量 60HZ                |                     |                     |                     | 0~38                 |
| Vertical handwheel (1 gra)<br>上下手轉每一刻度                             |                     |                     |                     | AHD:0.002 (0.0001")  |
| Crossfeed handwheel (1 gra)<br>前後手輪每一刻度                            |                     |                     |                     | AHD:0.02 (0.001")    |
| Crossfeed handwheel (1 rev)<br>前後手輪每一轉                             |                     |                     |                     | 5                    |
| Longitudinal travel adjustable (from-to)<br>左右行程調整距離               | 150~1300            | 150~1600            | 150~2100            | 150~2600             |
| Crossfeed travel adjustable (from-to)<br>前後行程調整距離                  |                     |                     |                     | 0~600                |
| Spindle motor<br>主軸馬達  |                     |                     |                     | 10H x 6P             |
| Hydraulic pump motor<br>油壓泵馬達                                      | 5HP x 6P            |                     | 7½HP x 6P           |                      |
| Crossfeed motor<br>前後馬達  |                     |                     |                     | AHD : ¼HP x 6P       |
| Downfeed motor<br>上下馬達   |                     |                     |                     | AC                   |
| Grinding wheel (ODxTxID)<br>砂輪尺寸(外徑x厚度x內徑)                         |                     |                     |                     | 510 x 50 x 127       |
| Spindle speed 60/50HZ<br>主軸速度 60/50HZ                              |                     |                     |                     | 1150 RPM/60HZ        |
| Coolant motor<br>沖水泵馬達   |                     |                     |                     | 1/4                  |
| Max. Load capacity addition to magnetic chuck<br>工作台最大荷重           | 1200 kgs            | 1300 kgs            | 1500 kgs            | 1600 kgs             |
| Net Weight<br>機器重量   | 6500 kgs            | 7500 kgs            | 8500 kgs            | 9500 kgs             |
| Gross Weight<br>裝箱毛量   | 7700 kgs            | 8700 kgs            | 9900 kgs            | 10900 kgs            |
| Packing dimensions (LxWxH)<br>裝箱尺寸(長x寬x高)                          | 4430 x 2800 x 2740  | 5570 x 2800 x 2740  | 7000 x 2800 x 2740  | 9200 x 2800 x 2740   |

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## ■ SPECIFICATION 規格表

In specification, if there is a \* mark in front of item, it is an optional specification.

規格表裡,前方有\*記號者,為特別規格。

Unit : mm

| SGS-24120<br>AHD/PNC            | SGS-24140<br>AHD/PNC | SGS-24160<br>AHD/PNC | SGS-3468<br>AHD/PNC | SGS-3488<br>AHD/PNC | SGS-34128<br>AHD/PNC | SGS-34188<br>AHD/PNC |
|---------------------------------|----------------------|----------------------|---------------------|---------------------|----------------------|----------------------|
| 600 x 3000                      | 600 x 3500           | 600 x 4000           | 850 x 1700          | 850 x 2200          | 850 x 3200           | 850 x 4700           |
| 600 x 3000                      | 600 x 3500           | 600 x 4000           | 850 x 1700          | 850 x 2200          | 850 x 3200           | 850 x 4700           |
| 3150                            | 3650                 | 4150                 | 1850                | 2350                | 3350                 | 4850                 |
| 620                             |                      |                      |                     | 870                 |                      |                      |
| 850                             |                      |                      |                     | 950                 |                      |                      |
| (16~80 fpm)                     |                      |                      |                     |                     |                      |                      |
| ("0~1.5")                       |                      |                      |                     |                     |                      |                      |
| PNC:0.002 (0.0001") / min scale |                      |                      |                     |                     |                      |                      |
| PNC:0.002 (0.0001") / min scale |                      |                      |                     |                     |                      |                      |
| (0.2")                          |                      |                      |                     |                     |                      |                      |
| 150~3100                        | 150~3600             | 150~4100             | 150~1800            | 150~2300            | 150~3300             | 150~4800             |
| (0~23.6")                       |                      |                      |                     | 0~850 (0~33.4")     |                      |                      |
| *15HP x 6P                      |                      |                      |                     | 15HP x 6P           |                      |                      |
| 10HP x 6P                       | 15HP x 6P            |                      | 10HP x 6P           |                     | 15HP x 6P            |                      |
| PNC:AC SERVO                    |                      |                      |                     |                     |                      |                      |
| SERVO                           |                      |                      |                     |                     |                      |                      |
| *510 x 75 x 203.2               |                      |                      |                     |                     |                      |                      |
| 960RPM/50HZ                     |                      |                      |                     |                     |                      |                      |
| HP                              |                      |                      |                     |                     |                      |                      |
| 1800 kgs                        | 2000 kgs             | 2200 kgs             | 1800 kgs            | 2000 kgs            | 2400 kgs             | 4000 kgs             |
| 10500 kgs                       | 11500 kgs            | 12500 kgs            | 10000 kgs           | 11500 kgs           | 15500 kgs            | 25000 kgs            |
| 12100 kgs                       | 13100 kgs            | 14300 kgs            | 11500 kgs           | 13500 kgs           | 18000 kgs            | 30000 kgs            |
| 10200 x 2800 x 2740             | 11200 x 2800 x 2740  | 12200 x 2800 x 2740  | 6500 x 3300 x 3000  | 7600 x 3300 x 3000  | 10500 x 3300 x 3000  | 14200 x 3300 x 3000  |



# 亞維機械股份有限公司

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