More than a machine
It's a LIFESTYLE

Metal working machine

Stirling engine kit HAE 03

Stirling engine kit HAE 01

Tools

www.siegind.com  sales@siegind.com
LETTER FROM THE GENERAL MANAGER

Hello Fellow Machine Lovers,
Thank you very much for choosing SIEG... one of the main export-oriented machine factories in China. Shanghai SIEG Machinery Co., Ltd was founded in 1988. As we have grown, we have gained extensive knowledge and experience to meet your requirements. We know exactly "What you want" and "How you want it".

With over 35000 pieces of annual output, SIEG's sales network has extended to more than 30 countries throughout the world. Whilst the largest proportion of our machines has been shipped to North America and Europe, we are actively exploring new opportunities, whilst maintaining our existing customer base.

We have a team of well qualified technicians and service personnel, who are well geared to produce some of world's hottest machines, backed up by quality support. We also provide an extensive range of accessories ideally matched for use with our machines. This package provides for an ideal customer experience. Our distributors find us approachable, because all our ideas and decisions are customer-oriented.

I would like to extend my personal thanks to our loyal customers who continue to strengthen the SIEG brand. As always, we will make every effort to maintain your trust by continuing to provide you with the best machines, backed up by quality service and competitive price. For those who have yet to try our machines, we hope you will give us the opportunity to show you what we can do.

Sincerely,
Ma Jian
GENERAL MANAGER
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**It's time ...... BRUSHLESS DC MOTORS in action!**

- Brushless DC Motor ✓
- Super light & small-sized ✓
- Good durability ✓
- Maintenance-free ✓
- High accuracy ✓
- High efficiency ✓

**SIEG machines with BRUSHLESS MOTOR:**

- SC2 mini lathe
- SX2 mini mill
- C4 lathe
- SX3 mill
- Z2-Z4 drill
- U2 multi-purpose machine

**Please Look for machines with**

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### BRUSHLESS DC MOTOR ADVANTAGES

<table>
<thead>
<tr>
<th></th>
<th>Brushless Motor</th>
<th>Motor with brush</th>
<th>Ordinary AC Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>Small</td>
<td>Medium</td>
<td>Big</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Light</td>
<td>Medium</td>
<td>Heavy</td>
</tr>
<tr>
<td><strong>Maintenance</strong></td>
<td>None</td>
<td>Often</td>
<td>None</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>High</td>
<td>Low</td>
<td>Low</td>
</tr>
<tr>
<td><strong>Mechanism Specialty</strong></td>
<td>Hard (Stable in Speed)</td>
<td>Soft</td>
<td>Hard</td>
</tr>
<tr>
<td><strong>Durability</strong></td>
<td>Long</td>
<td>Short</td>
<td>Long</td>
</tr>
<tr>
<td><strong>Stability</strong></td>
<td>Good</td>
<td>Normal</td>
<td>Good</td>
</tr>
<tr>
<td><strong>Speed control</strong></td>
<td>Good</td>
<td>Good</td>
<td>None</td>
</tr>
<tr>
<td><strong>Low speed torque</strong></td>
<td>Powerful &amp; Stable</td>
<td>Low power &amp; Unstable</td>
<td>None (Low speed)</td>
</tr>
<tr>
<td><strong>Startup moment</strong></td>
<td>Big</td>
<td>Big</td>
<td>Small</td>
</tr>
<tr>
<td><strong>Forward/Reward Switch</strong></td>
<td>Convenient &amp; Stable</td>
<td>Frequent Switch not suggested</td>
<td>None</td>
</tr>
<tr>
<td><strong>Speed control</strong></td>
<td>High accuracy &amp; Fast reaction</td>
<td>Low Accuracy</td>
<td>None</td>
</tr>
<tr>
<td><strong>Overload capacity</strong></td>
<td>High</td>
<td>Low</td>
<td>High</td>
</tr>
<tr>
<td><strong>Electromagnetic interference</strong></td>
<td>Low</td>
<td>High</td>
<td>Low</td>
</tr>
<tr>
<td><strong>Safety</strong></td>
<td>High</td>
<td>Low</td>
<td>High</td>
</tr>
<tr>
<td><strong>Expansibility</strong></td>
<td>Great in auto-control &amp; compatible with different control systems</td>
<td>Normal</td>
<td>None</td>
</tr>
</tbody>
</table>

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1
TRANSFORMERS

Hot invention for beginners
Little in size & delicate in design
Only 10 kilograms in weight
Wide range of working capacity

Try it and you’ll be amazed what this little guy can do!!!

Nano Lathe

Specifications
- Swing over bed: 100 mm
- Distance between centers: 100 mm
- Hole through spindle: 8 mm
- Cross slide travel: 40 mm
- Spindle speed: 100-4500 rpm ±10%
- Motor output power: 150 W
- Machine overall dimension (LxWxH): 360x250x230 mm
- Packing size (LxWxH): 410x310x290 mm
- Weight (Net/Gross): 9.2/10.3 kg

Standard Attachment
- 50mm 3-jaw chuck
- Wrench set

Nano Mill

Specifications
- Milling capacity: 6 mm
- Longitudinal axis (Y): 45 mm
- Cross axis (X): 40 mm
- Headstock travel (Z): 80 mm
- T-Slot size: 8 mm
- Worktable Tilt: 45°L, 45°R
- Cross Slider Rotary: 30°L, 30°R
- Motor output power: 150 W
- Spindle speed (Stepless): 100-4500 rpm ±10%
- Machine overall dimension (LxWxH): 380x250x430 mm
- Packing size (LxWxH): 410x310x290 mm
- Weight (Net/Gross): 11/12.1 kg

Standard Attachment
- 0.6-6MM M14x1 Drill chuck
- Wrench set

Nano Drill

Specifications
- Drilling capacity: 6 mm
- Worktable travel: 70 mm
- Motor output power: 150 W
- Spindle speed (Stepless): 100-4500 rpm ±10%
- Machine overall dimension (LxWxH): 380x250x430 mm
- Packing size (LxWxH): 410x310x290 mm
- Weight (Net/Gross): 9.3/10.4 kg

Standard Attachment
- 0.6-6mm M14x1 Drill chuck
- Wrench set
Yes! Just transform it!

SIEG’s latest hot product in 2009
Only a few easy steps of transforming with proper kit from Sieg
Good for machinists of any level especially for beginning machinists
BABY LATHE
Specifications
Swing over bed 110 mm
Distance between centers 125 mm
Hole through spindle 10 mm
Tailstock screw M14x1 mm
Spindle speed 100-3600 rpm±10%
Cross slide travel 50 mm
Motor output power 150 W
Overall dimension (LxWxH) 440x270x210 mm
Weight (Net/Gross) 14/16 kg
Packing Size (LxWxH) 500x400x310 mm

Standard Attachment
Ø50 mm 3-jaw chuck  Wrench set
Oil can

4-Jaw chuck Ø50mm
independent  self-centering
S/N:10180  S/N:10181
Rolling center  Face plate
S/N:10156  S/N:10158

2 Way tool rest
S/N:10155

Cutter set
DIN 4971R  DIN 4972R
DIN 4973R  DIN 4974R
DIN 4975  DIN 4976
DIN 4977R  DIN 4978R
DIN 4980L  DIN 4980R
DIN 4981R
S/N:10004 Cutter 5 pcs set
S/N:10005 Cutter 11 pcs set
S/N:10006 Cutter 6 pcs set

Auto feeder  Angle cut rest  Wood tool rest with center
S/N:10153  S/N:10154  S/N:10157

Steady rest  Tailstock chuck
S/N:10152  S/N:10159

Optional Accessories
## MICRO LATHE

### Specifications
- **Swing over bed**: 140 mm
- **Distance between centers**: 250 mm
- **Hole through spindle**: 10 mm
- **Spindle taper**: MT2
- **Tailstock taper**: MT1
- **Spindle speed**: 100-2000 rpm ± 10%
- **Cross slide travel**: 0.5-1.25 mm (5 thread pitches)
- **Motor output power**: 150 W
- **Range of threads**: 16-24 TPI (5 thread pitches)

### Feature
- **Variable speed**
- **Over-load protection**
- **Inside leadscrew**

### Standard Attachment
- **Ø80 mm 3-jaw chuck**
- **Dead center MT1**
- **Wrench set**
- **Oil can**

### Overall Dimension (LxWxH)
- **Metric version**: 620x300x220 mm
- **Imperial version**: 23/32 kg

### Machine Size (LxWxH)
- 680x350x390 mm

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick Vice</td>
<td>Width 50mm  S/N:10035</td>
</tr>
<tr>
<td>Vertical slider</td>
<td>Width 50mm  S/N:10082</td>
</tr>
<tr>
<td>Horizontal slider</td>
<td>Width 50mm  S/N:10083</td>
</tr>
<tr>
<td>Thread cutting kits</td>
<td>Metric z=40,42,45,48,50,54,60 S/N:10084</td>
</tr>
<tr>
<td></td>
<td>Imperial z=36,40,42,45,48,50,54,57,60 S/N:10085</td>
</tr>
<tr>
<td>4-Jaw chuck (independent)</td>
<td>ø80mm S/N 10010</td>
</tr>
<tr>
<td></td>
<td>Mill chuck set S/N 10090</td>
</tr>
<tr>
<td>Wood tool rest + center</td>
<td>S/N:10086</td>
</tr>
<tr>
<td>Tool holder</td>
<td>S/N:10087</td>
</tr>
<tr>
<td>Tool</td>
<td>Steady rest Follow rest</td>
</tr>
<tr>
<td>Headstock center</td>
<td>MT#2 S/N:10088</td>
</tr>
<tr>
<td>Tailstock + shank</td>
<td>MT#1,10mm S/N:10091</td>
</tr>
<tr>
<td>Tool holder</td>
<td>S/N:10089</td>
</tr>
<tr>
<td>Tool holder</td>
<td>S/N:10089A</td>
</tr>
<tr>
<td>Cut-off Blade Holder</td>
<td>S/N:10089B</td>
</tr>
<tr>
<td>Cut-off Blade size:70x2x10mm</td>
<td>S/N:10089C</td>
</tr>
<tr>
<td>Boring Cutter Holder</td>
<td>S/N:10089D</td>
</tr>
<tr>
<td>Boring Cutter ø10mm</td>
<td>S/N:10089E</td>
</tr>
<tr>
<td>Lathe dog</td>
<td>S/N:10015</td>
</tr>
<tr>
<td>Rolling center</td>
<td>S/N:10093</td>
</tr>
<tr>
<td>Ball head cutting set</td>
<td>S/N:10087</td>
</tr>
<tr>
<td>Clamping kit for face plate</td>
<td>S/N:10079A</td>
</tr>
</tbody>
</table>

**Cutter 11 pieces set**

- DIN 4971R
- DIN 4972R
- DIN 4973R
- DIN 4974R
- DIN 4975
- DIN 4976
- DIN 4977R
- DIN 4978R
- DIN 4980L
- DIN 4980R
- DIN 4981R
- S/N:10005

**Quick change cutter rest**

- S/N:10144
# Metalworking Machine

## Mini Lathe

**Model 200/300**

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing over bed</td>
<td>180 mm</td>
</tr>
<tr>
<td>Swing over saddle</td>
<td>110 mm</td>
</tr>
<tr>
<td>Distance between centers</td>
<td>Model 200: 200 mm, Model 300: 300 mm</td>
</tr>
<tr>
<td>Hole through spindle</td>
<td>20 mm</td>
</tr>
<tr>
<td>Cross slide travel</td>
<td>65 mm</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT3</td>
</tr>
<tr>
<td>Tailstock taper</td>
<td>MT2</td>
</tr>
<tr>
<td>Spindle speed Low range</td>
<td>100-1100 rpm ± 10%</td>
</tr>
<tr>
<td>Spindle speed High range</td>
<td>100-2500 rpm ± 10%</td>
</tr>
<tr>
<td>Motor output power</td>
<td>250 W</td>
</tr>
<tr>
<td>Range of threads Metric version</td>
<td>0.4-2.0 mm (10 thread pitches)</td>
</tr>
<tr>
<td>Imperial version</td>
<td>12-52 TPI (8 thread pitches)</td>
</tr>
<tr>
<td>Overall dimension (LxWxH)</td>
<td>Model 200: 620x300x290 mm, Model 300: 720x300x290 mm</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>Model 200: 33/36 kg, Model 300: 37/40 kg</td>
</tr>
<tr>
<td>Packing size (LxWxH)</td>
<td>Model 200: 670x330x330 mm, Model 300: 770x330x330 mm</td>
</tr>
</tbody>
</table>

**Features**

- Safety Switch
- Variable speed
- Four position turret post
- Complete set of changing gear
- High accuracy

**Standard attachment**

- 80mm 3-jaw Chuck
- MT2 Center
- Change gear set
- Wrench set
- Oil can

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**Optional Accessories**

- **Grinding attachment**
  - S/N: 10131

- **Carriage Stop**
  - S/N: 10182

- **Face Plate**
  - Ø160mm
    - S/N: 10007, S/N: 10007A

- **Digital readout for cutting depth kit (DRCD kit)**

- **3-jaw chuck**
  - S/N: 10100 Ø100mm
  - S/N: 10100A Ø100mm with flange

- **4-jaw chuck (independent)**
  - S/N: 10010 Ø80mm
  - S/N: 10029A Ø100mm with flange

- **Spindle center**
  - S/N: 10013

- **Rolling center**
  - S/N: 10014

- **Lathe dog**
  - S/N: 10015

- **Rolling tailstock chuck**
  - Dia.13mm+MT2
  - S/N: 10147

- **Mill attachment**
  - S/N: 10061
MINI LATHE
Model 300

Specifications
Swing over bed 180 mm
Swing over saddle 110 mm
Distance between centers Model 300 300 mm
Hole through spindle 20 mm
Cross slide travel 65 mm
Spindle taper MT3
Tailstock taper MT2
Spindle speed 100-2500 rpm ±10%
Motor output power (Brushless motor) 500 W
Range of threads Metric version 0.4-2.0 mm (10 thread pitches)
Imperial version 12-52 TPI (8 thread pitches)
Overall dimension (LxWxH) 720x300x290 mm
Weight (Net/Gross) 50/60 kg
Packing size (LxWxH) 870x360x380 mm

Standard attachment
80mm 3-jaw Chuck
MT2 Center
Change gear set
Wrench set
Oil can

Features
Safety Switch
Variable speed
Four position turret post
High accuracy
Complete set of changing gear

Digital Spindle Speed Readout Available (Optional) S/N: 10030

Cutter 11 pieces set
DIN 4971R DIN 4972R
DIN 4973R DIN 4974R
DIN 4975 DIN 4976
DIN 4977R DIN 4978R
DIN 4980L
DIN 4980R
DIN 4981R 8X8mm S/N:10005

Quick change cutter rest
S/N:10011

Tailstock chuck
Dia.13mm+MT8x2 S/N:10012

Knurling tool holder
S/N:10130

Rocker tool post
S/N:10136

Cut-off tool
S/N:10145

Mill chuck set
Chuck dia. 4, 6, 8, 10, 12, 14, 16mm S/N:10148

Digital spindle speed readout
S/N:10030 For mini lathe SC2

Wood toolrest with center
Digital spindle speed readout (independent using)
S/N: 10062 For mini Lathe C2

OPTIONAL ACCESSORIES
Metalworking Machine

MINI LATHE

Specifications
- Swing over bed: 180 mm
- Cross slide travel: 65 mm
- Motor output power: 350 W
- Distance between centers: 350 mm
- Hole through spindle: 20 mm
- Spindle taper: MT3
- Tailstock taper: MT2
- Spindle speed: Low range 100-1200 rpm, High range 100-3000 rpm
- Thread range: Metric version 0.4-2.0 mm (5 threads pitches), Imperial version 12-52 TPI (5 threads pitches)
- Overall dimension (LxWxH): 880x290x290 mm
- Weight (Net/Gross): 44/56 kg
- Packing Size (LxWxH): 870x360x380 mm

Standard attachment
- 80mm 3-jaw Chuck
- MT2 Center
- Changing gear set
- Wrench set
- Oil can

C3A is C3 with DRCD

Cutter 11 pieces set

C2 or C3 owner, replace to DRCD by yourself.

Digital readout for cutting depth kit (DRCD kit)

Optional Accessories
- Steady rest: S/N: 10008
- Follow rest: S/N: 10009
- Face plate: S/N: 10007
- Clamping kit for face plate: S/N: 10007A
- Spindle center: S/N: 10013
- Rolling center: S/N: 10014
- Lathe dog: S/N: 10015
- Rolling tailstock chuck: S/N: 10147
- Mill chuck set: S/N: 10148
- Chuck dia. 4, 6, 8, 10, 12, 14, 16mm: S/N: 10148
- Workshop Practice Series book "The Mini-Lathe" (or get one free for every purchase of 5 pieces C3)
# Metalworking Machine

## BENCH LATHE

### Specifications
- Swing over bed: 210 mm
- Distance between centers: 410 mm
- Hole through spindle: 20 mm
- Spindle taper: MT3
- Tailstock taper: MT2
- Spindle speed: 150-2000 rpm ±10%
- Compound travel: 70 mm
- Cross slide travel: 100 mm
- Motor output power: 1000 W
- Thread range: Metric
  - 0.25-3.0 mm
  - 8-24 TPI
- Overall dimension (LxWxH): 1000x550x400 mm
- Weight (Net/Gross): 94/125 kg
- Packing Size (LxWxH): 1070x710x530 mm

### Feature
- Brushless motor
- Touching switch panel
- Digital spindle speed read out
- Cross and longitudinal auto feed
- Cut metric and inch screw
- Quick lock tailstock

### Standard attachment
- Ø100mm 3-jaw Chuck
- Dead center
- Change gear set
- Wrench set
- Oil can

### Optional Accessories

- **Steady rest**
  - S/N: 10160
  - S/N: 10161

- **Follow rest**
  - S/N: 10163

- **Face plate**
  - S/N: 10162
  - S/N: 10162A

- **Clamping kit for face plate**

- **Mill chuck set**
  - S/N: 10167
  - Chuck dia. 4, 6, 8, 10, 12, 14, 16 mm

- **Cutter 11 pieces set**
  - DIN 4971R
  - DIN 4972R
  - DIN 4973R
  - DIN 4974R
  - DIN 4975
  - DIN 4976
  - DIN 4977R
  - DIN 4978R
  - DIN 4980L
  - DIN 4980R
  - DIN 4981R 10x10 mm

- **Quick change cutter rest**
  - S/N: 10164

- **Rolling center**
  - MT#2

- **Tailstock chuck**
  - Dia. 13mm + MT#2
  - S/N: 10024
  - S/N: 10027

- **4-jaw chuck (independent)**
  - Ø100 mm
  - S/N: 10029
C6A is C6 with DRCD

BENCH LATHE Model 400/550

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Model 400</th>
<th>Model 550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing over bed</td>
<td>250 mm</td>
<td>400 mm</td>
</tr>
<tr>
<td>Distance between centers</td>
<td>400 mm</td>
<td>550 mm</td>
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<tr>
<td>Hole through spindle</td>
<td>20 mm</td>
<td></td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT3</td>
<td></td>
</tr>
<tr>
<td>Tailstock taper</td>
<td>MT2</td>
<td></td>
</tr>
<tr>
<td>Spindle speed (6 step)</td>
<td>125-2000 rpm</td>
<td></td>
</tr>
<tr>
<td>Compound travel</td>
<td>75 mm</td>
<td></td>
</tr>
<tr>
<td>Cross slide travel</td>
<td>110 mm</td>
<td></td>
</tr>
<tr>
<td>Motor output power</td>
<td>550 W</td>
<td></td>
</tr>
<tr>
<td>Thread range</td>
<td>Metric version 0.4-3.0 mm (12 threads pitches)</td>
<td>Imperial version 10-44 TPI (8 threads pitches)</td>
</tr>
<tr>
<td>Overall dimension (LxWxH)</td>
<td>400 mm</td>
<td>1080x680x450 mm</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>Model 400</td>
<td>125/160 kg</td>
</tr>
<tr>
<td>Packing Size (LxWxH)</td>
<td>Model 400</td>
<td>1100x680x610 mm</td>
</tr>
<tr>
<td></td>
<td>Model 550</td>
<td>1200x680x610 mm</td>
</tr>
</tbody>
</table>

Spindle speed (variable speed) 0-2000 rpm ±10%
Motor output power 800 W

Other specifications are the same as C6.

Standard attachment
- Ø125mm 3-jaw Chuck
- Dead center MT3/MT2
- Change gear set
- Wrench set
- Oil can

Grinding & Milling attachment

Grinding attachment

Steady rest

Follow rest

Wood toolrest with center

Mill attachment

Mill chuck set

Use For C6/M2 lathe

Chuck dia. 4, 6, 8, 10, 12, 14, 16 mm

OPTIONAL ACCESSORIES

Stand

Mill attachment
BENCH LATHE Model 550

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing over bed</td>
<td>250 mm</td>
</tr>
<tr>
<td>Distance between centers</td>
<td>550 mm</td>
</tr>
<tr>
<td>Hole through spindle</td>
<td>20 mm</td>
</tr>
<tr>
<td>Spindle Taper</td>
<td>MT3</td>
</tr>
<tr>
<td>Tailstock Taper</td>
<td>MT2</td>
</tr>
<tr>
<td>Spindle speed</td>
<td>125-2000 rpm</td>
</tr>
<tr>
<td>Compound travel</td>
<td>75 mm</td>
</tr>
<tr>
<td>Cross slide travel</td>
<td>110 mm</td>
</tr>
<tr>
<td>Motor output power</td>
<td>1000 W (Brushless Motor)</td>
</tr>
<tr>
<td>Thread range Metric</td>
<td>0.4-3.0 mm</td>
</tr>
<tr>
<td>Thread range Imperial</td>
<td>10-44 TPI</td>
</tr>
<tr>
<td>Overall dimension</td>
<td>1100x555x42 mm</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>129/165 kg</td>
</tr>
<tr>
<td>Packing Size</td>
<td>1200x680x610 mm</td>
</tr>
</tbody>
</table>

Cutter 11 pieces set

- DIN 4971R
- DIN 4972R
- DIN 4973R DIN 4974R
- DIN 4975 DIN 4976
- DIN 4977R
- DIN 4978R
- DIN 4980L
- DIN 4981R
- 10x10mm

S/N:10022

DRCD kit

S/N:10151

Tailstock chuck

S/N:10027

Quick change cutter rest

S/N:10026

Face plate

S/N:10023

Rolling center

MT#2

4-jaw chuck (independent)

S/N:10025 S/N:10025A ø125mm

S/N:10024 S/N:10025A ø125mm with flange
UNIVERSAL MILLING/DRILLING & GRINDING MACHINE

Specifications

### Milling and drilling
- Max. drilling capacity: 16 mm
- Spindle speed: 200-2500 rpm ± 10%
- Spindle taper: MT3
- Table longitudinal: 200 mm
- Table cross travel: 120 mm
- Spindle box travel: 200 mm
- End mill capacity: 16 mm
- Face mill capacity: 50 mm
- Max. distance spindle to table: 200 mm
- Table effective size: 450x120 mm
- T-slot size: 8 mm
- Motor output power: 1000 W
- Overall dimension (LxWxH): 570x520x1600 mm
- Weight (Net/Gross): 185/230 kg
- Packing size (LxWxH): 700x680x1680 mm

### Grinding
- Spindle speed: 2500 rpm ± 10%
- Grinding wheel size: 100x16x20 mm

Feature
- Milling/drilling & grinding function
- Brushless motor
- Touch switch
- Spindle speed read out

Standard attachment
- Grinding attachment
- Cutting attachment
- Drill chuck
- Grinding wheel
- Tool set
- Oil can

Optional Accessories

- **Cooling water box**
  - Overall dimension (LxWxH): 570x520x800 mm
  - Velocity: 12 L/min
  - Power: 40 W
  - S/N: 10175

- **Cutter**
  - 60x16x1.2 mm: S/N: 10176
  - 100x16x20 mm: S/N: 10177

- **Grinding wheel**
  - S/N: 10178

- **Permanent magnetic chuck**
  - S/N: 10179

- **Quick vice width** 50 mm: S/N: 10035
- **Mill chuck set MT3/4-16 mm**: S/N: 10037
- **2 Flute HSS end mill set 4-16 mm**: S/N: 10045
- **Indexable carbide end mill MT3/Ø30 mm**: S/N: 10046
- **Clamping kit 12 pcs**: S/N: 10104
- **Clamping kit 24 pcs**: S/N: 10105
- **Vice width 55 mm**: S/N: 10108
- **Collet set MT3/4-16 mm**: S/N: 10126
- **Stub milling machine arbor MT3/Ø16 mm**: S/N: 10127
- **Boring arbor with boring cutter MT3**: S/N: 10128
- **Stub milling machine arbor MT3/Ø16 mm**: S/N: 10129
Metalworking Machine

**Z1**
- Feature: Digital depth readout, Feeding depth set up, 2 steps speed, High accurate

**XO**
- Feature: Variable speed, Fine feeding, High accurate, Digital depth readout, Feeding depth set up

**MICRO DRILL**

**Specifications**
- Drilling capacity: 6 mm, 40 mm
- Spindle stroke: 200 mm
- Headstock travel (Z): B10 or JT1
- Spindle taper: B10 or JT1
- Motor output power: 150 W
- Spindle speed (High): 5000 rpm ±10%
- Spindle speed (Low): 3600 rpm ±10%
- Overall dimension (LxWxH): 175x165x415 mm
- Weight (Net/Gross): 14/17 kg
- Packing size (LxWxH): 520x400x270 mm

**Standard attachment**
- Ø6 mm Drill chuck, Screw driver, Wrench set

**MICRO MILL**

**Specifications**
- Drilling capacity: 6 mm
- End milling capacity: 6 mm
- Spindle stroke: 40 mm
- Headstock travel (Z): 200 mm
- Spindle taper: B10 or JT1
- Motor output power: 150 W
- Spindle speed (Variable speed) (High): 100 - 5000 rpm ±10%
- Spindle speed (Variable speed) (Low): 100 - 3600 rpm ±10%
- Overall dimension (LxWxH): 175x165x415 mm
- Weight (Net/Gross): 14/17 kg
- Packing size (LxWxH): 520x400x270 mm

**Standard attachment**
- Ø6 mm Drill chuck, Screw driver, Wrench set

**OPTIONAL ACCESSORIES**

- Quick vice
  - Width: 50 mm
  - S/N: 10035
- Chuck set
  - S/N: 10139 & 10139A
    - B10: 1, 2, 4, 5, 6 mm
- Work table
  - S/N: 10138
- Stand
  - S/N: 100000
  - For C0, C1, C2, C3, Z1, X0, X1, SUPER X1, X2, X3,
SXO comes with a brand new outlook in our milling series. It is the perfect match with our C0 baby lathe. Small in size but capable in work make this mill one of the most promising milling machine in the future market.

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headstock travel</td>
<td>130 mm</td>
</tr>
<tr>
<td>T-slot size</td>
<td>8 mm</td>
</tr>
<tr>
<td>Cross axis (X)</td>
<td>160 mm</td>
</tr>
<tr>
<td>Longitudinal axis (Y)</td>
<td>100 mm</td>
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<tr>
<td>Motor power</td>
<td>150 W</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT1</td>
</tr>
<tr>
<td>Spindle speed Low</td>
<td>100-1300 rpm±10%</td>
</tr>
<tr>
<td>High</td>
<td>200-2000 rpm±10%</td>
</tr>
<tr>
<td>Head tilt</td>
<td>45°L, 45°R</td>
</tr>
<tr>
<td>End milling capacity</td>
<td>10 mm</td>
</tr>
<tr>
<td>Face milling capacity</td>
<td>16 mm</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>25/28 kg</td>
</tr>
</tbody>
</table>

Standard attachment

- Drill chuck
- Wrench set
- Oil can

Outstanding headstock design

Head tilt 45°L/ 45°R

Leadscrew cover for axis

Optional Accessories

- Rotary table
  - Size 100mm
  - S/N: 10094
- Clamping kit
  - 12pcs.
  - Bolt size 6mm
  - S/N: 10104
- Vice
  - Width 55mm
  - S/N: 10108
- Vice
  - Width 70mm
  - S/N: 10133
- Dividing Plate
  - for S/N 10094
  - S/N: 10094-1
- Tailstock
  - for S/N 10094
  - S/N: 10094-2
- Clamping kit
  - 24 pcs.
  - Bolt size 6mm
  - S/N: 10105
- Stub milling machine arbor
  - MT#2
  - for slitting saw, hole 6.3mm
  - S/N: 10116
- Boring arbor with boring cutter
  - MT#2
  - S/N: 10117
**ACCESSORIES SUPER X1**

**Micro Mill**

**Specifications**

- Drilling capacity: 10 mm
- End milling capacity: 10 mm
- Face milling capacity: 16 mm
- Headstock travel (Z): 230 mm
- Cross axis (X): 90 mm
- Longitudinal axis (Y): 180 mm
- Throat: 140 mm
- Max. distance spindle to table: 220 mm
- Spindle taper: MT2
- Motor output power: 150 W
- Spindle speed: Low range 100-1000 rpm ±10%
  High range 100-2000 rpm ±10%
- Table effective size: 240x145 mm
- T-slot size: 8 mm
- Overall dimension (LxWxH): 425x350x690 mm
- Weight (Net/Gross): 32/44 kg
- Packing size (LxWxH): 420x410x630 mm

**Standard attachment**

- Ø10 mm Drill chuck
- Wrench set
- Oil can

---

**SUPER X1**

**Micro Mill**

**Specifications**

- Drilling capacity: 10 mm
- End milling capacity: 10 mm
- Face milling capacity: 16 mm
- Headstock travel (Z): 230 mm
- Cross axis (X): 130 mm
- Longitudinal axis (Y): 180 mm
- Throat: 140 mm
- Head tilt: 45°L, 45°R
- Max. distance spindle to table: 220 mm
- Spindle taper: MT2
- Motor output power: 150 W
- Spindle speed: Low range 100-1000 rpm ±10%
  High range 100-2000 rpm ±10%
- Table effective size: 240x145 mm
- T-slot size: 8 mm
- Overall dimension (LxWxH): 500x350x690 mm
- Weight (Net/Gross): 40/56 kg
- Packing size (LxWxH): 480x400x630 mm

**Standard attachment**

- Ø10 mm Drill chuck
- Wrench set
- Oil can
# MINI MILLING MACHINE

**Specifications**
- Drilling capacity: 13 mm
- End milling capacity: 16 mm
- Face milling capacity: 30 mm
- Headstock travel (Z): 180 mm
- Cross axis (X): 100 mm
- Longitudinal axis (Y): 220 mm
- Throat: 170 mm
- Max. distance spindle to table: 280 mm
- Head tilt: 45°/45°
- Spindle taper: MT3 or R8
- Motor output power: 350 W
- Spindle speed: Low range 100-1100 rpm ±10%
  High range 100-2500 rpm ±10%
- Table effective size: 390x92 mm
- T-slot size: 12 mm
- Overall dimension (LxWxH): 520x500x760 mm
- Weight (Net/Gross): 50/68 kg
- Packing size (LxWxH): 520x520x730 mm

Standard attachment:
- Ø13 mm Drill chuck
- Wrench set
- Oil can

---

**Rotary table**
- Size 100mm
- S/N: 10094

**Quick vice**
- Width 100mm
- S/N: 10036

**Indexable carbide end mill**
- MT#3
- Ø10mm
- S/N: 10046

**Auto feeder**
- You can mount this Auto feeder on X2 yourself!
- S/N: 10132

**Clamping kit**
- 42 pcs.
- Bolt size: 10mm
- S/N: 10047

**Optional Accessories**
- Dividing Plate for S/N 10094
  - S/N: 10094-1
- Tailstock for S/N 10094
  - S/N: 10094-2

---

**Now**
**X2 ➔ UPGRADE to ➔ Super X2**

X2L/SX2L is X2/SX2 with bigger base
- X Travel increase by 130
- Y Travel increase by 300
# MINI MILLING MACHINE

## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling capacity</td>
<td>13 mm</td>
</tr>
<tr>
<td>End milling capacity</td>
<td>16 mm</td>
</tr>
<tr>
<td>Face milling capacity</td>
<td>30 mm</td>
</tr>
<tr>
<td>Headstock travel (Z)</td>
<td>180 mm</td>
</tr>
<tr>
<td>Cross axis (X)</td>
<td>100 mm</td>
</tr>
<tr>
<td>Longitudinal axis (Y)</td>
<td>220 mm</td>
</tr>
<tr>
<td>Throat</td>
<td>170 mm</td>
</tr>
<tr>
<td>Max. distance spindle to table</td>
<td>280 mm</td>
</tr>
<tr>
<td>Head tilt</td>
<td>45°L, 45°R</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT3 or RB</td>
</tr>
<tr>
<td>Spindle speed</td>
<td>100-2500 rpm±10%</td>
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<tr>
<td>Motor output power (brushless motor)</td>
<td>500 W</td>
</tr>
<tr>
<td>Table effective size</td>
<td>365x100 mm</td>
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<tr>
<td>T-slot size</td>
<td>12 mm</td>
</tr>
<tr>
<td>Overall dimension (LxWxH)</td>
<td>520x500x760 mm</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>50/68 kg</td>
</tr>
<tr>
<td>Packing size (LxWxH)</td>
<td>540x540x760 mm</td>
</tr>
</tbody>
</table>

## Standard attachment

- Ø13 mm Drill chuck
- Wrench set
- Oil can

---

### Optional Accessories

#### Stub milling machine arbor
- MT#3
  - For slitting saw, hole Ø5 mm
  - S/N: 10127

#### Boring arbor with boring cutter
- MT#3
  - S/N: 10128

#### MT#3 collet

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
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<tbody>
<tr>
<td>Ø4 mm</td>
<td>S/N: 10119</td>
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<tr>
<td>Ø6 mm</td>
<td>S/N: 10120</td>
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<tr>
<td>Ø8 mm</td>
<td>S/N: 10121</td>
</tr>
<tr>
<td>Ø10 mm</td>
<td>S/N: 10122</td>
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<tr>
<td>Ø12 mm</td>
<td>S/N: 10123</td>
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<tr>
<td>Ø14 mm</td>
<td>S/N: 10124</td>
</tr>
<tr>
<td>Ø16 mm</td>
<td>S/N: 10125</td>
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<tr>
<td>Ø4-16 mm set</td>
<td>S/N: 10126</td>
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#### 2 Flute HSS end mill

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
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<tbody>
<tr>
<td>Ø4 mm</td>
<td>S/N: 10038</td>
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<tr>
<td>Ø6 mm</td>
<td>S/N: 10039</td>
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<tr>
<td>Ø8 mm</td>
<td>S/N: 10040</td>
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<tr>
<td>Ø10 mm</td>
<td>S/N: 10041</td>
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<tr>
<td>Ø12 mm</td>
<td>S/N: 10042</td>
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<tr>
<td>Ø14 mm</td>
<td>S/N: 10043</td>
</tr>
<tr>
<td>Ø16 mm</td>
<td>S/N: 10044</td>
</tr>
<tr>
<td>Ø4-16 mm set</td>
<td>S/N: 10045</td>
</tr>
</tbody>
</table>

#### Digital spindle speed readout

- S/N: 10030
- For mini mill SX2

#### Mill chuck set

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chuck dia. 4, 6, 8, 10, 12, 14, 16 mm</td>
<td>S/N: 10037</td>
</tr>
</tbody>
</table>

#### Vice

- Width 80mm
- S/N: 10109
SMALL MILL
Specifications
Drilling capacity 25 mm
End mill capacity 16 mm
Face mill capacity 50 mm
Spindle stroke 80 mm
Throat 230 mm
Max. distance spindle to table 380 mm
Spindle taper MT3 or R8
Spindle speed
High range 100-2000 rpm±10%
Low range 100-1000 rpm±10%
Table effective size 550x160 mm
T-slot size 12 mm
Table cross travel 145 mm
Table longitudinal travel 400 mm
Motor output power 600 W
Overall dimension (LxWxH) 760x720x930 mm
Weight (Net/Gross) 165/198 kg
Packing size (LxWxH) 840x820x1040 mm

Standard attachment
Ø16 mm Drill chuck
Wrench set
Oil can

Optional accessories
Rotary table: Size 100mm, S/N: 10094
Work table with angle: S/N: 10135
Power feeder: S/N: 10141
Clamping kit: 42 pcs., Bolt size: 10mm

Dividing Plate for S/N 10094, S/N: 10094-1
Quick Vice, Width 100mm, S/N: 10036
Vice with angle, Width 100mm, S/N: 10142
Indexable carbide end mill, S/N: 10046
Tailstock for S/N 10094, S/N: 10094-2
Mill chuck set, Chuck dia. 4, 6, 8, 10, 12, 14, 16mm, S/N: 10037
Vice, Width 80mm, S/N: 10109
### SMALL MILL

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling capacity</td>
<td>25 mm</td>
</tr>
<tr>
<td>Max. tapping capacity</td>
<td>12 mm</td>
</tr>
<tr>
<td>End mill capacity</td>
<td>16 mm</td>
</tr>
<tr>
<td>Face mill capacity</td>
<td>50 mm</td>
</tr>
<tr>
<td>Spindle stroke</td>
<td>70 mm</td>
</tr>
<tr>
<td>Throat</td>
<td>230 mm</td>
</tr>
<tr>
<td>Max distance spindle to table</td>
<td>380 mm</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT3 or R8</td>
</tr>
<tr>
<td>Spindle speed</td>
<td>100-1750 rpm±10%</td>
</tr>
<tr>
<td>Table effective size</td>
<td>550x160 mm</td>
</tr>
<tr>
<td>T-slot size</td>
<td>12 mm</td>
</tr>
<tr>
<td>Table cross travel</td>
<td>145 mm</td>
</tr>
<tr>
<td>Table longitudinal travel</td>
<td>400 mm</td>
</tr>
<tr>
<td>Motor output power</td>
<td>1000 W</td>
</tr>
<tr>
<td>Overall dimension (LxWxH)</td>
<td>760x720x930 mm</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>165/198 kg</td>
</tr>
<tr>
<td>Packing size (LxWxH)</td>
<td>840x820x1040 mm</td>
</tr>
</tbody>
</table>

- Variable spindle speed
- Feeding depth and spindle speed digital readout
- Touching switch
- Tapping function
- Brushless DC motor
- Fine feeding function
- Horizontal milling
- Rotatory spindle box

**Standard attachment**

- Ø16 mm Drill chuck
- Wrench set
- Oil can

---

**Super X3 feature**

- Spindle speed readout
- Tapping function
- 1000W Brushless motor inside
- Fine feeding
- Feeding depth readout

---

**Stand**

- S/N: 10114A
- S/N: 10045
- S/N: 10126
- S/N: 10127
- S/N: 10128
- S/N: 10129
- S/N: 10133

- 2 flute HSS end mill Ø4-16mm 7pcs. set
- Collet set
- Stub milling machine arbor MT3, ø10mm
- Boring arbor with boring cutter MT3
- Stub milling machine arbor MT3, ø10mm
- Flying Cutter MT3, ø50mm

---

**Work table for horizontal milling**

- S/N: 10150
Specifications
Max. drilling capacity Ø45 mm
Max. horizontal milling diameter 80 mm
Max. vertical milling capacity Ø28 mm
Max. tapping capacity M12 mm
Max. spindle travel 120 mm
Morse taper of spindle nose MT4
Spindle speeds (6 steps) 95-1600 rpm
Distance from spindle axis to column surface 260 mm
Size of worktable 820x240 mm
Travel of worktable 550x200 mm
Distance from spindle nose to worktable 0-475 mm
T-slot size 14 mm
Motor 750W
G.W/N.W 340/270 kg
Packing size (LxWxH) 1080x780x1150 mm

Upon our users strongest request, we made X4 to meet their needs. With 45mm drilling capacity and 550x200mm worktable travel, our milling machine has extended to a new level of semi-industrial machine! Simple in its design, it's very powerful and stable in use. Thus, a much wider range of working capacity has been brought to our users. And you can use your cost out of this machine both in hobby and in industry.

X4 Finally comes!!!

Features
6 steps speed control
For/Rev switch & Emergency stop
Cutting depth display
45mm drilling capacity
550x200mm worktable travel
Powerful and stable in use
Both for hobby & industry
## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Drilling capacity</td>
<td>30mm</td>
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<tr>
<td>Spindle stroke</td>
<td>85mm</td>
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<tr>
<td>Table cross travel</td>
<td>245mm</td>
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<td>Table longitudinal travel</td>
<td>410mm</td>
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<tr>
<td>Max spindle travel</td>
<td>345mm</td>
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<tr>
<td>Max distance spindle to table</td>
<td>430mm</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT4</td>
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<tr>
<td>Spindle speed</td>
<td>100-1600 r/min</td>
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<tr>
<td>Table effective size</td>
<td>240x320mm</td>
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<tr>
<td>T-slot size</td>
<td>14mm</td>
</tr>
<tr>
<td>Motor output power</td>
<td>1500 W</td>
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<tr>
<td>Overall dimension (LxWxH)</td>
<td>960x834x1079</td>
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<tr>
<td>Packing size (LxWxH)</td>
<td>1060x920x1110</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>355/370KG</td>
</tr>
</tbody>
</table>

Optional Accessory

S/N 10115 Stand
(Packed with SX4 together in one case)

- Tilting angle display (Patent)
- S/N 10141 Power feeder
MICRO MULTI-PURPOSE MACHINE

Specifications

Cutting
- Swing over bed: 140 mm
- Distance between centers: 250 mm
- Hole through spindle: 10 mm
- Spindle taper: MT2
- Tailstock taper: MT1
- Spindle speed: 100~2000 rpm ±10%
- Cross slide travel: 50 mm
- Range of threads: Metric version 0.5~1.25 mm (5 thread pitches)
  Imperial version 16-24 TPI (5 thread pitches)

Drilling and milling
- Max. drilling/milling capacity: 10 mm
- Travel of drilling/milling spindle: 30 mm
- Drilling/milling spindle speed: 100~1500 rpm ±10%
- T-slot: 8 mm
- Motor output power: 150 W
- Overall dimension (LxWxH): 620x330x570 mm
- Net/Gross weight: 45/51 kg
- Packing size (LxWxH): 690x430x615 mm

Standard attachment
- Ø80 mm 3-jaw chuck
- Ø10 mm Drill chuck
- Wrench set
- Oil can

S/N: 10000  Stand
S/N: 10004  Cutter 5 pieces set
S/N: 10010  4-Jaw chuck ø80mm (dependent)
S/N: 10015  Lathe dog
S/N: 10035  Quick vice Width 50mm
S/N: 10069  2 Flute HSS end mill set
S/N: 10070  Mill chuck set
S/N: 10071  Indexable carbide end mill
S/N: 10078  MT#2 collet set
S/N: 10079  Face plate ø112mm T-slot 8mm
S/N: 10080  Steady rest
S/N: 10081  Follow rest
S/N: 10082  Vertical slider
S/N: 10083  Horizontal slider
S/N: 10084  Thread cutting kit
S/N: 10085  Thread cutting kit
S/N: 10086  Wood tool rest wood center
S/N: 10087  Ball cutting set
S/N: 10088  Headstock center MT#2
S/N: 10089  Tool holder (set of 2)
S/N: 10090  Mill chuck set 3,4,5,6mm

S/N: 10091  Tailstock chuck+shank
S/N: 10093  MT#1,10mm
S/N: 10094  Rolling center MT#1
S/N: 10094-1  Rotary table 100mm
S/N: 10094-2  Dividing plate for S/N 10094
S/N: 10108  Tailstock for S/N 10094
S/N: 10116  Vice width 55mm
S/N: 10117  Stub milling machine arbor
S/N: 10118  MT#2,13mm
S/N: 10119  Boring arbor with cutter
S/N: 10144  Stub milling machine arbor
S/N: 10145  Quick change cutter rest
S/N: 10145  Cut-off tool

A classroom for training students' working skill has established in a high school in Shanghai.
MULTI-PURPOSE MACHINE

Specifications

Cutting (Lathe)
- Swing over bed: 210 mm
- Distance between centers: 410 mm
- Spindle bore: 20 mm
- Spindle taper: MT#3
- Tailstock taper: MT#2
- Spindle speed: 0-2000 rpm
- Compound travel: 70 mm
- Cross slide travel: 100 mm
- Motor output power: 1000W
- Thread range
  - Metric: 0.25-3.0 mm (17 threads pitches)
  - and Inch: 8-24 TPI (10 threads pitches)

Drilling & Milling
- Drilling capacity: 10 mm
- End milling capacity: 10 mm
- Face milling capacity: 20 mm
- Spindle taper: MT#2
- Spindle speed
  - Low range: 100-1000 rpm ±10%
  - High range: 100-2000 rpm ±10%
- Spindle travel: 30 mm
- Headstock travel: 140 mm
- Spindle to worktable: 175 mm
- Head tilt: 30°L, 45°R
- Motor: 150 W

Feature
- Touch Sensitive Controls
- Brushless motor
- Quick lock tailstock
- Metric and imperial thread cutting
- Cross and longitudinal auto feed
- Digital Speed Display

Standard attachment
- Ø100mm 3-jaw Chuck
- Dead center
- Oil can
- Wrench set
- Change gear set

Optional Accessories

- Digital readout for cutting depth kit (DRCDCt)
  - S/N: 10165

- Tailstock chuck
  - Dia.13mm+MT#2
  - S/N: 10027

- Quick vice
  - Width 50mm
  - S/N: 10035

- Mill chuck set
  - Chuck dia. 3, 4, 5, 6, 8, 10mm
  - S/N: 10070

- Quick change cutter rest
  - S/N: 10168

- Steady rest
  - S/N: 10160

- Follow rest
  - S/N: 10161

- Mill chuck set
  - S/N: 10167

- Face Plate
  - S/N: 10162

- Clamping Kit for Face Plate
  - S/N: 10162A

- Oil Tray
  - S/N: 10163

- Stand
  - S/N: 10164

- Cutter 11 Pieces Set
  - S/N: 10022

- 4-jaw chuck (independent)
  - S/N: 10029

- Rolling Center
  - S/N: 10024

- Clamping Kit 12 pce
  - S/N: 10104

- Indexable Carbide End Mill
  - S/N: 10071

- Boring Arbor with Boring Cutter
  - S/N: 10117
MULTI-PURPOSE MACHINE
Model 400/550

Specifications
Cutting (Lathe)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Model 400</th>
<th>Model 550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing over bed</td>
<td>250 mm</td>
<td>250 mm</td>
</tr>
<tr>
<td>Distance between centers</td>
<td>400 mm</td>
<td>400 mm</td>
</tr>
<tr>
<td>Hole through spindle</td>
<td>20 mm</td>
<td>20 mm</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT3</td>
<td>MT3</td>
</tr>
<tr>
<td>Tailstock taper</td>
<td>MT2</td>
<td>MT2</td>
</tr>
<tr>
<td>Spindle speed (6 steps)</td>
<td>125-2000 rpm</td>
<td>125-2000 rpm</td>
</tr>
<tr>
<td>Compound travel</td>
<td>75 mm</td>
<td>75 mm</td>
</tr>
<tr>
<td>Cross slide travel</td>
<td>110 mm</td>
<td>110 mm</td>
</tr>
<tr>
<td>Motor output power</td>
<td>550 W</td>
<td>550 W</td>
</tr>
<tr>
<td>Thread range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metric version</td>
<td>0.4-3.0 mm (12 threads pitches)</td>
<td>0.4-3.0 mm (12 threads pitches)</td>
</tr>
<tr>
<td>Imperial version</td>
<td>10-44 TPI (8 threads pitches)</td>
<td>10-44 TPI (8 threads pitches)</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>Model 400</td>
<td>125/160 kg</td>
</tr>
<tr>
<td></td>
<td>Model 550</td>
<td>145/180 kg</td>
</tr>
<tr>
<td>Packing Size (LxWxH)</td>
<td>Model 400</td>
<td>1100x680x610 mm</td>
</tr>
<tr>
<td></td>
<td>Model 550</td>
<td>1200x680x610 mm</td>
</tr>
</tbody>
</table>

Standard Attachment

Ø125 mm three jaw chuck
Ø13 mm drill chuck with taper shank
Dead centers MT3 and MT2
Gear set
Mill table

It's milling now.

Drilling & Milling

<table>
<thead>
<tr>
<th>Feature</th>
<th>Model 400</th>
<th>Model 550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling capacity</td>
<td>13 mm</td>
<td>16 mm</td>
</tr>
<tr>
<td>End milling capacity</td>
<td>16 mm</td>
<td>16 mm</td>
</tr>
<tr>
<td>Face milling capacity</td>
<td>30 mm</td>
<td>30 mm</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT3 or R8</td>
<td>MT3 or R8</td>
</tr>
<tr>
<td>Spindle speed Low range</td>
<td>100-1100 rpm±10%</td>
<td>100-1100 rpm±10%</td>
</tr>
<tr>
<td></td>
<td>High range</td>
<td>100-2500 rpm±10%</td>
</tr>
<tr>
<td>Headstock travel</td>
<td>180 mm</td>
<td>245 mm</td>
</tr>
<tr>
<td>Spindle to worktable</td>
<td>25°, 45°</td>
<td>25°, 45°</td>
</tr>
<tr>
<td>Head tilt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor output power</td>
<td>350 W</td>
<td>350 W</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>32/47 kg</td>
<td>32/47 kg</td>
</tr>
<tr>
<td>Packing size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M2/400 Overall dimension (LxWxH)</td>
<td>770x412x550 mm</td>
<td>1100x680x860 mm</td>
</tr>
<tr>
<td>M2/550 Overall dimension (LxWxH)</td>
<td>1200x680x860 mm</td>
<td>1200x680x860 mm</td>
</tr>
</tbody>
</table>

OPTIONAL ACCESSORIES

DRC6 kit
S/N:10151

M6 = C6
M6B = C6B
SM6 = SC6
+ Mill Attachment (M6MA)
D4070 Metalworking Machine

Engraving Machine (Router)

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Spindle</td>
<td>ER16</td>
</tr>
<tr>
<td>Swing over bed</td>
<td>95 mm</td>
</tr>
<tr>
<td>Distance between centers</td>
<td>50 mm</td>
</tr>
<tr>
<td>Spindle speed</td>
<td>300–20000 r/min</td>
</tr>
<tr>
<td>T slot size</td>
<td>8 mm</td>
</tr>
<tr>
<td>Effective table size</td>
<td>480 mm x 740 mm</td>
</tr>
<tr>
<td>X Axis travel</td>
<td>360 mm</td>
</tr>
<tr>
<td>Y Axis travel</td>
<td>400 mm</td>
</tr>
<tr>
<td>Z Axis travel</td>
<td>55 mm</td>
</tr>
<tr>
<td>Position resolution</td>
<td>0.01 mm</td>
</tr>
<tr>
<td>Reposition resolution</td>
<td>0.01 mm</td>
</tr>
<tr>
<td>Motor output power</td>
<td>500 W</td>
</tr>
<tr>
<td>Working speed X/Y Axis</td>
<td>5000 mm/min</td>
</tr>
<tr>
<td>Working speed Z Axis</td>
<td>1500 mm/min</td>
</tr>
<tr>
<td>Weight</td>
<td>120 kg/150 kg</td>
</tr>
<tr>
<td>Packing size</td>
<td>1040x970x980 mm</td>
</tr>
<tr>
<td>Overall dimension</td>
<td>930x810x800 mm</td>
</tr>
</tbody>
</table>

Brushless Motor

PC-controlled with powerful MACH3 software
Ball screw and Linear Bearings (stable & high accuracy)
“Plug in” machine & ready to go!

[Images of the machine in operation and its components, including a working table, brushless motor, linear lead rail, and towline 25x25mm]
Metalworking Machine

**Cooling Water Box**

- S/N 10134
- Volume: 27 L
- Velocity: 12 L/min
- Power: 40 W
- Overall dimension (LxWxH): 580x300x400 mm

- S/N 10175
- Volume: 16 L
- Velocity: 12 L/min
- Power: 40 W
- Overall dimension (LxWxH): 310x260x350 mm

**Rotary Table**

- S/N: 10094
- S/N: 10143
- Size 100mm
- Size 150mm

- Dividing Plate
  - S/N: 10094-1 for S/N 10094
  - S/N: 10143-1 for S/N 10143

- Tailstock
  - S/N: 10094-2 for S/N 10094
  - S/N: 10143-2 for S/N 10143

**Work Table**

- **Table size (LxW):** 420x203mm
  - X-axis travel: 150mm
  - Y-axis travel: 200mm
  - T-slot size: 12mm

- **Table size (LxW):** 385x92mm
  - X-axis travel: 150mm
  - Y-axis travel: 300mm
  - T-slot size: 12mm

- **Table size (LxW):** 240x145mm
  - X-axis travel: 100mm
  - Y-axis travel: 200mm
  - T-slot size: 8mm

- **Table size (LxW):** 200x90mm
  - X-axis travel: 70mm
  - Y-axis travel: 100mm
  - T-slot size: 8mm
## Vice

<table>
<thead>
<tr>
<th>S/N NO.</th>
<th>Width of jaw</th>
<th>Height of jaw</th>
<th>Max. opening of jaw</th>
<th>Packing size</th>
<th>G.W/N.W (KGS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S/N10108</td>
<td>55mm</td>
<td>20mm</td>
<td>60mm</td>
<td>215x200x135mm</td>
<td>3.0/2.8</td>
</tr>
<tr>
<td>S/N10109</td>
<td>80mm</td>
<td>30mm</td>
<td>100mm</td>
<td>290x225x150mm</td>
<td>6.0/5.7</td>
</tr>
<tr>
<td>S/N10110</td>
<td>120mm</td>
<td>40mm</td>
<td>130mm</td>
<td>335x290x183mm</td>
<td>12.0/11.2</td>
</tr>
</tbody>
</table>

### Vice (Swivel type)

| S/N10111 | 80mm         | 30mm          | 65mm                | 225x160x95mm  | 6.8/6.5       |
| S/N10112 | 100mm        | 35mm          | 80mm                | 255x190x115mm | 9.5/9.2       |
| S/N10048  | 125mm        | 40mm          | 100mm               | 300x190x128mm | 15.0/14.5     |

### Vice (QH type)

| S/N10133 | 70mm         | 20mm          | 60mm                | 175x120x60mm  | 2.8/2.7       |
| S/N10142 | 100mm        | 25mm          | 90mm                | 225x160x95mm  | 5.0/4.8       |

### Vice (Angle type)

| S/N10035 | 50mm         | 16mm          | 35mm                | 145x70x50mm   | 0.8/0.7       |
| S/N10036 | 100mm        | 22mm          | 75mm                | 270x120x90mm  | 5.3/5.1       |

### Vice (Plain type)

<table>
<thead>
<tr>
<th>S/N</th>
<th>Width of jaw</th>
<th>Height of jaw</th>
<th>Max. opening of jaw</th>
<th>Packing size</th>
<th>G.W/N.W (KGS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S/N</td>
<td>80mm</td>
<td>20mm</td>
<td>75mm</td>
<td>330x325x215mm</td>
<td>2.2/2.0</td>
</tr>
<tr>
<td>S/N</td>
<td>100mm</td>
<td>22mm</td>
<td>95mm</td>
<td>485x330x200mm</td>
<td>2.7/2.5</td>
</tr>
<tr>
<td>S/N</td>
<td>125mm</td>
<td>24mm</td>
<td>115mm</td>
<td>355x290x230mm</td>
<td>4.9/4.5</td>
</tr>
</tbody>
</table>

### Vice (HMS type)

<table>
<thead>
<tr>
<th>S/N</th>
<th>Width of jaw</th>
<th>Height of jaw</th>
<th>Max. opening of jaw</th>
<th>Packing size</th>
<th>G.W/N.W (KGS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S/N</td>
<td>85mm</td>
<td>30mm</td>
<td>60mm</td>
<td>410x360x200mm</td>
<td>3.4/3.2</td>
</tr>
<tr>
<td>S/N</td>
<td>100mm</td>
<td>30mm</td>
<td>90mm</td>
<td>420x340x320mm</td>
<td>5.4/5.0</td>
</tr>
<tr>
<td>S/N</td>
<td>120mm</td>
<td>35mm</td>
<td>100mm</td>
<td>445x425x220mm</td>
<td>6.0/5.6</td>
</tr>
</tbody>
</table>
**Drilling Machine**

- Variable spindle speed
- Feeding depth and spindle speed digital readout
- Touching switch
- Tapping function

- Easy removing tools on Z2, Z3, Z4

- Brush-less DC motor

- Tilting worktable on Z2, Z3, Z4

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>Z2</th>
<th>Z3</th>
<th>Z4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max.drilling capacity</td>
<td>20 mm</td>
<td>30 mm</td>
<td>40 mm</td>
</tr>
<tr>
<td>Max.tapping capacity</td>
<td>12 mm</td>
<td>14 mm</td>
<td>20 mm</td>
</tr>
<tr>
<td>Max.spindle traverse</td>
<td>60 mm</td>
<td>100 mm</td>
<td>120 mm</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>MT2</td>
<td>MT3</td>
<td>MT4</td>
</tr>
<tr>
<td>Spindle speed</td>
<td>100-1500 rpm</td>
<td>100-1800 rpm</td>
<td>High: 250-1750 rpm Low: 100-900 rpm</td>
</tr>
<tr>
<td>Distance from spindle</td>
<td>250 mm</td>
<td>280 mm</td>
<td>310 mm</td>
</tr>
<tr>
<td>Distance from spindle</td>
<td>380 mm</td>
<td>460 mm</td>
<td>600 mm</td>
</tr>
<tr>
<td>Distance from spindle</td>
<td>750 mm</td>
<td>930 mm</td>
<td>1160 mm</td>
</tr>
<tr>
<td>Dimension of worktable</td>
<td>320x360 mm</td>
<td>400x350 mm</td>
<td>440x390 mm</td>
</tr>
<tr>
<td>Diameter of column</td>
<td>90 mm</td>
<td>110 mm</td>
<td>120 mm</td>
</tr>
<tr>
<td>Overall height</td>
<td>1218 mm</td>
<td>1750 mm</td>
<td>1805 mm</td>
</tr>
<tr>
<td>Motor output power</td>
<td>1000 W</td>
<td>1500 W</td>
<td>1500 W</td>
</tr>
<tr>
<td>Worktable 'T' slot</td>
<td>12 mm</td>
<td>14 mm</td>
<td>14 mm</td>
</tr>
<tr>
<td>Overall size (LxWxH)</td>
<td>660x385x1220 mm</td>
<td>750x550x1820 mm</td>
<td>845x560x1850 mm</td>
</tr>
<tr>
<td>Packing size (LxWxH)</td>
<td>805x570x1395 mm</td>
<td>850x600x2000 mm</td>
<td>900x640x2010 mm</td>
</tr>
<tr>
<td>Gross weight</td>
<td>260 kg</td>
<td>361 kg</td>
<td>613 kg</td>
</tr>
<tr>
<td>Net weight</td>
<td>220 kg</td>
<td>321 kg</td>
<td>563 kg</td>
</tr>
</tbody>
</table>
Specifications

- Max. drilling capacity: Ø31.5 mm
- Diameter of column: Ø100 mm
- Max. spindle travel: 110 mm
- Morse taper of spindle nose: MT3
- Spindle speeds (9 steps): 140-1780 rpm
- Size of worktable: Ø320 mm
- Size of base worktable: 320x350 mm
- Distance from spindle axis to column surface: 235 mm
- Distance from spindle nose to worktable: 60-590 mm
- Distance from spindle nose to base surface: 1015 mm
- Motor: 1100 W
- G.W./N.W.: 320/270 kg
- Ship measurement: 860x550x1700 mm

COOLING WATER BOX

- Volume: 27 L
- Velocity: 12 L/min
- Power: 40 W

OPTIONAL ACCESSORIES
EXCEPT US MARKET

Combination Shear and Bending Brake for Precision Sheet Metal and Circuit Board Fabrication

MINIATURE SHEAR BRAKE
S/N: 20002
Packing size: 370x215x260 mm
Net weight: 14.55kg

MINI BENDING BRAKE
S/N: 20000
Packing size: 170x75x195 mm
Net weight: 0.38kg

G1

HACK SAW
Max. cutting diameter
Stroke speed
Stroke range
Blade size
Motor output power
Weight (Net/Gross)
Packing size (LxWxH)

Ø130 mm
170 steps/m
70 mm
300x25x1.2 mm
180 W
75/90 kg
880x460x500 mm

COOLING WATER BOX
Volume
Velocity
Power

27 L
12 L/min
40 W

S/N: 10134

OPTIONAL ACCESSORIES
DISK SANDER
The Disk Sander has a 127 mm dia. Disk. 102 mm x 152 mm slotted aluminum table tilts from 90 degrees to 40 degrees from vertical.
S/N: 20001
Packing size: 360x275x240 mm
Net weight: 5.00kg

TAPPING FIXTURE
Precision chuck holds taps with shanks 0.8 mm to 6.4 mm diameter. Clearance under chuck: adjustable up to 140 mm. Distance from center of chuck to front of column: 121 mm. Base includes 8 mm T-slots for mounting vises and clamps.
S/N: 20008
Packing size: 360x345x120 mm
Net weight: 5.15kg

UNIVERSAL BENDER
Bend Metal Wire and Strip into Complex Shapes with Ease
S/N: 20012
Packing size: 330x115x130 mm
Net weight: 3.00kg

WIRE BENDER
S/N: 20010
Packing size: 305x130x25 mm
Net weight: 0.25kg

STANDARD SPRAY BOOTH
S/N: 20006(small)
Packing size: 650x500x300 mm
Net weight: 12kg
S/N: 20007(big)
Packing size: 850x500x300 mm
Net weight: 18kg

PROPORTIONAL DIVIDER
S/N: 20009
Packing size: 225x45x30 mm
Net weight: 0.16kg
Stirling Engine kit
(Powered by a clean burning alcohol burner)
(Provided in Modes 1-3)
The Stirling Engine was invented in 1800's and operates on hot air that alternately expands and contracts to drive two pistons connected to a flywheel. The air is heated by an alcohol burner and the greater the temperature differential, the faster the speed. This walking beam Stirling Engine Kit includes all machined parts and is ready to assemble. It even includes the display base.

Fan Kit
(Powered by hot water)
(Provided in modes 1 & 3)
The Fan kit is powered by steamed water (80°C or above). Just put the pipe into a glass of hot water, the fan turns automatically until the water is below the required temperature.
(Glass not included)

CANNON KIT
(Provided in Modes 1 & 3)
All brass construction, makes a great display piece itself.
(Wood base not included.)
Only 10 Sets For Min. Trial Order!

Modes of distribution

3 modes of distribution are available for our models.

Mode 1: Assembled Kit - 1 (eg. HAE01-1)
Mode 2: Machined Kit - 2 (eg. HAE01-2)
Mode 3: Material Kit - 3 (eg. HAE01-3)

ASSEMBLED KIT---Provided with a finished product. (No work is required, makes a great display piece itself.)

MACHINED KIT---Includes all parts necessary for simple tooling and assembly (A great project for beginning machinist.)

MATERIAL KIT---Includes all castings and raw parts. Parts must be machined on a mill, with some knowledge of tooling to complete. (A great project for medium-leveled machinist)
Woodworking Machine

THICKNESS DRUM SANDER

Specifications
Drum size 50 mm in diameter x 140 mm long
Capacity Sands wood up to 12 mm thick and 127 mm wide
Drum speed 5800 rpm
Sanding sleeves Various grits available (sold separately)
Drive system Multi-V-belt
Accuracy Table is adjustable side-to-side for uniform thickness
Overall size 380x380x410 mm
Weight 15KG

5-in-1 Workshop for Apprentice Woodworkers

WOODWORKING MACHINE
S/N: 20003
Packing size: 480x90x360 mm
Net weight: 2.5kg

OSCILLATING SPINDLE SANDER
Model M1S-370

Specifications
Stroke length 25 mm
Max. height of sanding 100 mm
Spindle speed 3000 rpm±10%
Table size 370x370 mm
Motor output power 180 W
Weight (Net/Gross) 40/43 kg
Packing size (LxWxH) 450x450x610 mm

Ground cast iron 360x360mm table tilts to 45.
Built-in 50mm dust collection port.
Spindle oscillates at 50 strokes-per-min (50Hz power).
SEE HOW THESE PEOPLE HAVE FUN WITH OUR MACHINES!
YOU’LL BE AMAZED WHAT THESE LITTLE GUYS CAN DO!
(Photos taken from MODEL ENGINEER magazine in U.K)
Beside ‘SIEG’, we have two sub-brands:

- Black & Red series: Precision Machines
- White & Blue series: Industrial Machines

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