ACRA 1800/2100C PRECISION ENGINE LATHES

BED
- Bed Mehanite Casting, Vibration Stress Relieved
- Induction Hardened And Precision Ground Bed Ways
- Precision Hand Scraped Removable Gap Bed
- Foot Brake
- Turcite B Coating Between The Bed And Carriage

HEAD STOCK
- Dynamic Balanced Spindle
- Spindle Is Supported By 3 Points Precision Bearings: 2 Taper Roller And 1 Ball Bearing
- Housing Are Properly Stabilized And Deflection Free
- All Gears And Shafts Are Made By Chromium Molybdenum Steel With Segmentation And Precision Ground
- Build In Mechanism Clutches made By British Matrix
- Forced Lubrication System
- Nylon Safety Gears In End Train

LUBRICATION
- Oil Sight Window For Efficient Checking Oil Action
- Headstock Pressure Lubrication System Ensure Its Lubricated And Cooling For High Speed Operations
- Lubrication in Gearbox & Apron
- External Oil Tank Lowering The Oil Temperature; It Helps The Spindle Running Temperature

APRON
- Right Hand Side Or Left Hand Side Apron: Hand-Wheel Available As Required
- Integrated Automatic Device For Longitudinal & Cross Feeds, Forward And Reverse Feeds
- Overload Safety Device

CARRIAGE & SLIDE
- Anti-Float Design, Backlash Eliminator Fitted In Cross Slide Nut
- Safety Clutches At Feed Shaft Lever
- Dual Reading Dials
- One Shut Lubrication For Carriage And Tops Slide
- 2 3/8" And Spindle Travel 6"

UNIVERSAL GEAR BOX
- Induction Hardened And Ground Gears And Shafts
- Wide Threads Cutting Capacity For Imperial, Metric, Module, And Diametrical Pitch

STANDARD ACCESSORIES:
- 10" /12" 3 Jaw Chuck
- 12" / 16" 4 Jaw Chuck
- Full Length Splash Guard
- Coolant System
- Micro Bed Stop
- 4 Way Tool Holder
- Face Plate
- Steady / Follow Rest
ACRA 1800/2100C PRECISION ENGINE LATHES

OPTIONAL ACCESSORIES:
- Taper Attachment
- Taper Attachment Installation
- Lever Type 5C Collet Closer JFK
- Import Collet Closer
- Sargon Digital Read-Out-60"
- Sargon Digital Read-Out-80"
- Sony Digital Read-Out-60"
- Sony Digital Read-Out-80"
- Anilam Digital Read-Out-60"
- Anilam Digital Read-Out-80"
- Anilam Digital Read-Out-120"
- Newall Digital Read-Out-60"
- Newall Digital Read-Out-80"
- Newall Digital Read-Out-120"
- D.R.O. Installation
- Import Quick Change Tool Holder
- Halogen Light
- Chuck Guard
- Live Center "MT 6"

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>1860 / 1880 / 18120 C</th>
<th>2160 / 2180 / 21120 C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing Over Bed</td>
<td>18&quot;</td>
<td>21&quot;</td>
</tr>
<tr>
<td>Swing Over Cross Side</td>
<td>11&quot;</td>
<td>14&quot;</td>
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<tr>
<td>Swing In Gap</td>
<td>28&quot;</td>
<td>31&quot;</td>
</tr>
<tr>
<td>Distance Between Centers</td>
<td>60&quot; / 80&quot; / 120&quot;</td>
<td>60&quot; / 80&quot; / 120&quot;</td>
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<tr>
<td>Bed Width</td>
<td>13 9/16&quot;</td>
<td>13 9/16&quot;</td>
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<tr>
<td>Spindle Nose</td>
<td>D1-8</td>
<td>D1-8</td>
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<tr>
<td>Spindle Bore</td>
<td>3 1/8&quot;</td>
<td>3 1/8&quot;</td>
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<tr>
<td>Taper of Spindle</td>
<td>MT NO.7</td>
<td>MT NO.7</td>
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<tr>
<td>Spindle Speeds</td>
<td>20~1600 RPM (16 Speeds)</td>
<td>20~1600 RPM (16 Speeds)</td>
</tr>
<tr>
<td>Cross Slide</td>
<td>11&quot;</td>
<td>11&quot;</td>
</tr>
<tr>
<td>Compound Slide</td>
<td>5 3/8&quot;</td>
<td>5 3/8&quot;</td>
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<tr>
<td>Inch Threads</td>
<td>45KINDS 2~72 TPI</td>
<td>45KINDS 2~72 TPI</td>
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<tr>
<td>Metric Threads</td>
<td>39KINDS 0.2~14 MM</td>
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</tr>
<tr>
<td>Module Threads</td>
<td>18KINDS 0.3~3.5</td>
<td>18KINDS 0.3~3.5</td>
</tr>
<tr>
<td>Diometrical Threads</td>
<td>21KINDS 8~44</td>
<td>21KINDS 8~44</td>
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<tr>
<td>Longitudinal Feed</td>
<td>0.0015~0.04 IPR</td>
<td>0.0015~0.04 IPR</td>
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<tr>
<td>Cross Feed</td>
<td>0.00075~0.02 IPR</td>
<td>0.00075~0.02 IPR</td>
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<tr>
<td>Quill Diameter</td>
<td>2 5/16 &quot;</td>
<td>2 5/16&quot;</td>
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<tr>
<td>Quill Travel</td>
<td>6 1/2 &quot;</td>
<td>6 1/2&quot;</td>
</tr>
<tr>
<td>Quill Taper</td>
<td>MT NO.5</td>
<td>MT NO.5</td>
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<tr>
<td>Spindle Drive Motor</td>
<td>12.5 HP</td>
<td>12.5 HP</td>
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<tr>
<td>Voltage</td>
<td>220/440V AC / 3PH</td>
<td>220/440V AC / 3PH</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>6,100 / 6,820 / 8,400 LBS</td>
<td>6,750 / 7,480 / 11,000 LBS</td>
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</tbody>
</table>

**NOTE:** The manufacturer reserves the right to modify the design, specifications, & mechanisms to improve the performances of the machines without notice. All specifications above are for your reference only.