Advanced semi-automatic drilling machine is the ideal solution for efficiently drilling large numbers of holes in plates, girders, and other steel fabrication applications. With a 1-3/8” x 2” depth drilling capacity, the D1 Auto covers a wide range of drilling needs in a compact, easy to use format.

FEATURES:
- Compact, rigid design that weighs just 30 lbs. (13.5 kg)
- Optimal combination of spindle speeds and torque produces industry leading cycle times with TCT and HSS cutters
- Safe magnet control systems for excellent performance and operator safety
- Dual rail guide system provides extraordinary stiffness and maintenance free operation
- High efficiency magnetic base provides superior holding power with minimum work piece thickness of 1/4” (6mm)
- Integrated cutter guard
- Large coolant tank capacity

Max Hole Size: 1-3/8” (36mm)
Weight: 30 lbs. (13.5kg)
Depth of cut: 2” (51mm)
Stroke: 2-3/4” (70mm)
Minimum work piece thickness: 1/4” (6mm)
### EXCELLENT PERFORMANCE & PRODUCTIVITY
- Max drilling capacity of 1-3/8” (36mm) diameter with 2” (51mm) depth of cut
- Auto-feed mechanism is activated by pushing the handles in.
- Feed control system reduces idle run time and enables smooth start of cutting
- Dynamic control systems adjust the feed speed proportionally to the cutting load which results in fastest cutting times with both TCT and HSS cutters
- Auto-feed control stops the machine when drilling is complete

### SAFETY
- Overload control stops both cutting and feeding motors immediately
- Magnetic Power Adhesion Control (MPAC) prevents drilling when the electromagnetic holding force is not sufficient. This protects both the machine and the operator from work in unsafe conditions

### USER_FRIENDLY
- Ultra light weight - only 30 lbs.
- Maintenance free dual rail system
- Works with standard 3/4” Weldon shank cutters
- Large coolant tank

### D1 AUTO Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>1~ 110–120 V, 50–60 Hz, 1~ 220–240 V, 50–60 Hz</td>
</tr>
<tr>
<td>Total power</td>
<td>1000 W</td>
</tr>
<tr>
<td>Motor power</td>
<td>920 W</td>
</tr>
<tr>
<td>Cutter holder</td>
<td>3/4” Weldon (19 mm)</td>
</tr>
<tr>
<td>Max milling capacity</td>
<td>1-3/8” (36 mm)</td>
</tr>
<tr>
<td>Max depth of cut</td>
<td>2” (51 mm)</td>
</tr>
<tr>
<td>Electromagnetic base holding force</td>
<td>9.300 N</td>
</tr>
<tr>
<td>(surface with the thickness of 7/8” (22 mm) and roughness R_a = 1.25)</td>
<td></td>
</tr>
<tr>
<td>Electromagnetic base dimensions</td>
<td>3.1”x 6.3”x 1.4” (80 mm x 160 mm x 36.5 mm)</td>
</tr>
<tr>
<td>Slide stroke</td>
<td>2-3/4” (70 mm)</td>
</tr>
<tr>
<td>Spindle speed under load</td>
<td>350 rpm</td>
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<tr>
<td>Spindle speed without load</td>
<td>580 rpm</td>
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<tr>
<td>Minimum work piece thickness</td>
<td>1/4” (6 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>30 lbs (13.5 kg)</td>
</tr>
</tbody>
</table>

### Standard shipping set:
- D1 AUTO
- Metal box
- Handles
- Cooling system bottle
- Chip guard
- Safety strap
- 4 mm hex wrench
- Operator’s Manual