The Steelmax BM21 SS beveling machine is a customized version of our industry-leading BM21 beveling machine specifically designed for use on stainless steel plate and pipe. Inaccurate bevels and poor weld preparation often lead to weld defects and excessive welding costs. With expensive stainless steels, accurate weld preparation is even more important. The BM21 SS utilizes a rotary milling head with ten carbide inserts to produce precise bevel angles from 0 to 60 degrees that dramatically improve fit up and all subsequent welding operations. Designed specifically for stainless steel applications, the BM21 SS utilizes a lower speed motor to improve machining and all contact surfaces are made of stainless steel to eliminate carbon contamination of the stainless steel work piece.

Unlike flame or plasma cut weld preparation, the BM21 SS produces no heat affected zone or distortion of the work piece. This portable tool can be carried anywhere and eliminates time consuming and costly material handling associated with moving plates around the shop to stationary burning and milling machines.

The BBM21 SS features an ergonomic design that includes vibration dampening technology to protect the operator and the machine during heavy continuous operation. Automatic thermal overload protection circuitry protects the motor from premature failure, providing a reliable tool that can withstand the toughest jobs. The BM21 SS can be used on plate and pipe without any additional accessories.

**FEATURES**

- All stainless steel contact surfaces to eliminate carbon contamination
- Single milling head using 10 indexable carbide inserts produces weld-ready bevels quickly and efficiently with low operator effort
- Fast and easy exchange of inserts with no need for special adjustment
- Working range from 0 to 60 degrees with continuous angle adjustment
- Simple bevel angle and bevel width setup
- Advanced vibration isolation protects both the operator and the machine
- Universal guide plate requires no additional accessories for beveling both plate and pipe

**Max. bevel width 13/16” (21 mm)**

**Bevel angles 0-60°**

**Top beveling**

**Facing off**

**Pipe beveling**

OD 6 - 12” (150-300 mm)

OD 10 - 14” (260-600 mm) (option)
## BM21 SS Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>115V 60 Hz or 230V 50 Hz</td>
</tr>
<tr>
<td>Power</td>
<td>1800 W Induction Motor</td>
</tr>
<tr>
<td>Spindle Speed</td>
<td>1560 RPM</td>
</tr>
<tr>
<td>Tooling</td>
<td>Integrated Milling Head with 10 Square Carbide Inserts</td>
</tr>
<tr>
<td>Bevel Angle</td>
<td>0° - 60° Continuous Angle Adjustment</td>
</tr>
<tr>
<td>Max Bevel Width</td>
<td>13/16&quot; (21 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>51 lbs (23 Kg)</td>
</tr>
<tr>
<td>Part Number</td>
<td>SM-BM21-SS (115V/60Hz)</td>
</tr>
<tr>
<td></td>
<td>SM-BM21-SS-230 (230V/50Hz)</td>
</tr>
</tbody>
</table>

Continuous angle adjustment from 0 to 60 degrees

Standard universal guide plate made of Stainless Steel for beveling both plates and pipes Ø 6-12" (150-300 mm)

Plate facing

Plate beveling

Pipe beveling

Steelmax.

The tools of innovation.

For ordering and customer service, or to request detailed product information or demonstration videos, contact:

877-833-5629  STEELMAX.COM  sales@Steelmax.com  Fax: 303-690-9172

©2018 STEELMAX