

BM2I PORTABLE BEVELING MACHINE

PRODUCE HIGH-QUALITY MACHINED BEVELS EFFICIENTLY WITH THIS PORTABLE ERGONOMIC POWER TOOL

Reduce your costs and lay the foundation for high-quality welds with the **Steelmax BM2I** and **BM2I-SS** (for use on stainless steel). Inaccurate bevels and poor weld preparation are often the root cause of weld defects and excessive welding costs. Both machines utilize a high speed 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. The **BM2I-SS**, specifically designed for use on stainless steel, also utilizes a lower speed motor and all stainless contact surfaces to eliminate contamination of the stainless steel work piece.

Unlike flame or plasma cut weld preparation, the **BM2I** and **BM2I-SS** produce no heat affected zone or distortion of the work piece. These portable tools can be carried anywhere and eliminate time consuming and costly material handling associated with moving plates around the shop to stationary burning and milling machines.

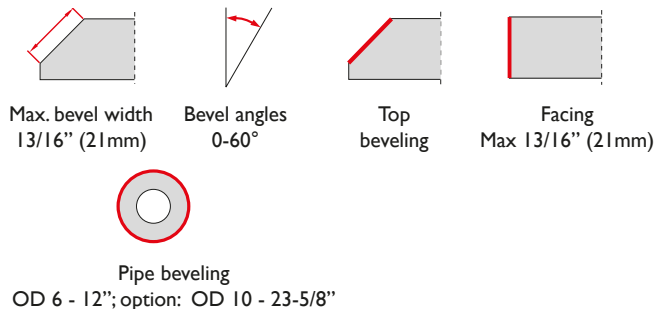
The **BM2I** and **BM2I-SS** feature an ergonomic design that includes vibration dampening technology to protect the operator and the machine during heavy continuous operation. Automatic thermal overload protection circuitry protects the motor from premature failure, providing a reliable tool that can withstand the toughest jobs. The **BM2I** and **BM2I-SS** can be used on plate and pipe without any additional accessories.

FEATURES:

- Single milling head with 10 carbide inserts produces weld-ready bevels quickly and more efficiently with less operator effort
- Fast and easy exchange of carbide inserts minimizes down time
- Working range from 0 to 60 degrees with continuous angle adjustment
- Simple bevel angle and bevel width set up
- Vibration insulation protects both the operator and the machine electronics
- Universal guide plate requires no additional accessories for beveling both plate and pipe



Vibration dampers produce smooth operation



Special model BM-2I SS with lower speed motor dedicated for machining **STAINLESS STEELS** is now available

Steelmax
The tools of innovation.

PORTABLE BEVELING MACHINE FROM STEELMAX®

BM21 TECHNICAL SPECIFICATIONS

Power supply	115VAC/60Hz or 230VAC/50Hz
Power	1.5 HP (1.1kW) Induction Motor BM-21SS: 1600 W (for 50 Hz); 1800 W (for 60 Hz)
Spindle speed	2820 rpm BM-21SS: 1360–1630 rpm (at 230 V) and 1300–1560 rpm (at 115 V)
Tooling	Integrated milling head with 10 square TCT inserts
Beveling angle	0-60° degree continuous angle adjustment
Max bevel width	13/16" (21 mm)
Weight	BM21 43 lbs. (20kg) BM21-SS 51 lbs. (23kg)
Part number	SM-BM21 (115V/60Hz); SM-BM21-230 (230V/50Hz) SM-BM21-SS (115V/60Hz); SM-BM21-SS-230 (230V/50Hz)



Pipe beveling



Plate facing



Plate beveling



Mono block milling head, with 10 indexable inserts.

Single universal guide plate for beveling both plates, and for pipes ϕ 6-12" (150-300 mm)



Optional equipment:

Replacement cutting inserts – 10 required

Part No. SM-PLY-000282



An optional guide is needed for larger pipes with a diameter of 10-24" (260-600 mm)

Part No. SM-PRW-0461-22-00-00-0



Continuous angle adjustment from 0 to 60 degrees.

**Enhanced
Vibration
Dampening**



The BM21 incorporates industry leading anti-vibration technology for more comfortable operation and extended machine life.

Testing indicates that this new anti-vibration system **reduces vibration by up to 37%** over comparable machines.

Steelmax

The tools of innovation.



American Welding Society
Supporting Company Member



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