

# Multipurpose Beveling Machine

Bevel, deburr and chamfer edges of steel plate fast.

The EKF multipurpose beveling machine is designed to bevel 30° or 45° weld seams on steel, stainless steel, nonferrous metals, brass and plastics. It can also be used to deburr and chamfer; straighten edges, internal and external radii; and countersink holes from 7/8" diameter.

- Fine adjustment feature for slight chamfers when deburring for the preparation of weld seams
- Three milling heads – 30°, 45° and radius R2.5 – are available
- Ideal for the following applications: **Moldmaking** (straighten edges, internal and external radii and countersink holes from 7/8" dia.); **Boiler and process plant construction** (prepare weld seams on heat exchangers); **Mechanical engineering** (deburr machine parts, chamfer edges to protect against paint peeling and create visible edges); **Sheet metal** (deburr cut edges)



**EKF 300.3, 450.3 & 452.3**

### Portable Beveler Specifications

Order Number:	EKF 300.3	EKF 450.3	EKF 452.3
<b>Beveling angle*</b>	30°	45°	R2.5
<b>Bevel width (max.)**</b>	1/4"	1/4"	1/4"
<b>Motor power</b>	All machines: 10 Amp		
<b>Voltage</b>	All machines: 110 V (220 V / 50 Hz also available)		
<b>Cutting speed</b>	All machines: 3000 SFPM		
<b>Cutting inserts</b>	2	2	2
<b>Dimensions (L x W x H)</b>	All machines: 12-1/2" x 5-1/2" x 11-5/8"		
<b>Weight</b>	All machines: 10.5 lbs.		

\* EKF milling heads are interchangeable.

\*\* Max. bevel width may require several passes, depending on material hardness



## One Machine, Three Milling Options

**30°**



**EKF 300.3**

Milling cutter 30°, Chamfer 0 - 1/4"  
Inserts (10/pkg): SHM 200

**45°**



**EKF 450.3**

Milling cutter 45°, Chamfer 0 - 1/4"  
Inserts (10/pkg): SHM 200

**R 2.5 radius**



**EKF 452.3**

Milling cutter 3/16" radius (optional)  
Inserts (10/pkg): SHM 202



**Standard equipment** includes milling head and two inserts, SW22 key, carrying case and user's manual. Please see our Price List for available accessories.



The optimum fixture for stationary deburring of small parts (Order No. ZKF 100)

# Portable Beveling Machine

Bevel angles from 15° to 60° on plate and pipes.

CS Unitec's SKF 020 Beveling Machine provides fast and easy preparation of weld seams and bevels 15° to 60° angles on plate or pipe. It is ideal for use on steel, stainless steel, aluminum and nonferrous metals and offers high-quality performance that allows for superior weld connections.

- Continuously adjustable angle (15° to 60°) and land width up to 5/8"
- Robust design, single operator control and easy handling; designed for continuous operation with smooth roller guides
- Includes two milling heads and 12 total indexable inserts for fast metal removal and extended tool life
- Work on welding angles and weld preparation on pipes/tubes with a minimum OD of 6-1/4" (160mm) with included pipe roller guide; also ideal for beveling pipe 6-1/4" OD and larger



**SKF 020**

## Portable Beveler Specifications

Order Number: SKF 020

<b>Beveling angle</b>	15° - 60°
<b>Bevel width (max.)**</b>	5/8"
<b>Motor power</b>	14 Amp
<b>Voltage</b>	110 V
	(220 V / 50 Hz also available)
<b>Cutting speed</b>	1800 SFPM
<b>Cutting inserts</b>	12
<b>Dimensions (L x W x H)</b>	16-1/2" x 13" (L x H)
<b>Weight</b>	42 lbs.

\*\* Max. bevel width may require several passes, depending on material hardness



Precise roller guidance, low friction resistance.



Single-operator, straightforward handling.



Ideal for beveling pipe 6.25" OD and larger.

For beveling carbon steel use **SHM 500** inserts, for beveling stainless steel use **LKS 10 ST** inserts.

**Standard equipment** includes two milling heads, each with six sintered carbide reversible cutting inserts, tools for assembly, SKF pipe roller guide, steel carrying case and user's manual. Please see our Price List for available accessories.