ETH STUDENT PROJECT HOUSE

# METAL BANDSAW

**Band speed 25..80 m/min**
**Max Piece size:**
**Rectangular: 125 x 125 mm Edge**
**Round: 125 mm Diameter**
**Materials: Mild Steel, Aluminium, Stainless steel**

# SAFETY

This is a brief manual. Consider also **manufacturer's manual** and **ask supervisor in case of doubts**.

## Behaviour

- **Don't manipulate safety systems**
- **Secure workpiece with vice**
- **Keep hands away from cutting area while sawing**
- **Wait for hot workpiece to cool down before touching it**
- **Use gloves for handling the workpiece; remove gloves while sawing**
- **Support loose part of workpiece so it doesn't drop**
- **Don't change / insert sawing band yourself. -> Call supervisor**
- **Use brush to remove chips (machine stopped)**

## Equipment

- **Safety glasses**
- **Hearing protection**
- **Gloves for handling workpiece**
- **No gloves for sawing**
- **No baggy clothing**
- **No jewelry**
- **No open hair**

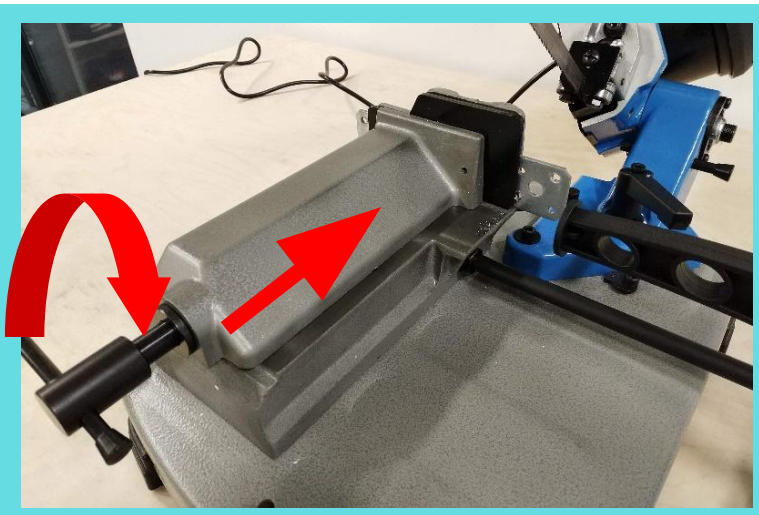
**handling workpiece**

**sawing**

# MACHINE SETUP

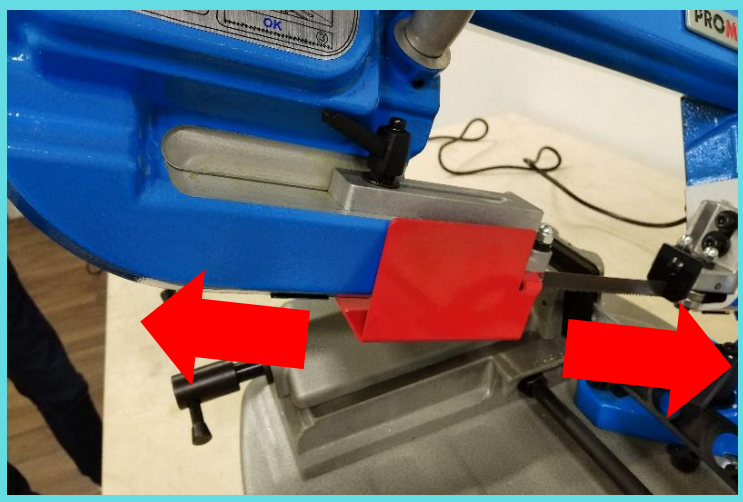
## Securing the piece

Secure your workpiece using the handle at the front.



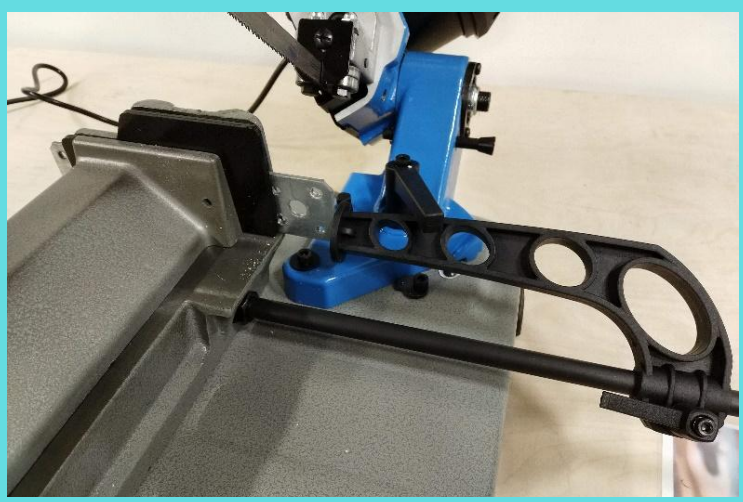
## Blade setup

Make sure, that the blade guide is set as close as possible to your workpiece.



## Repeating cuts

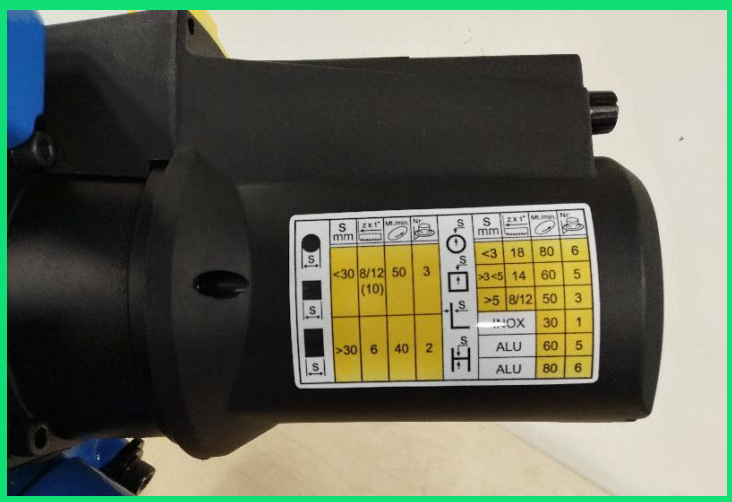
If you need to do cuts with repeated sizes, use the stopper.



# MACHINE SETUP

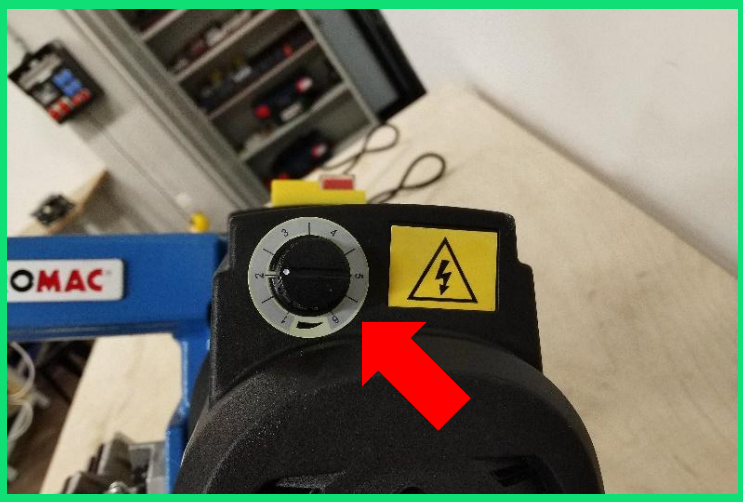
## Cutting speed

Check your cutting speed with the table on the machine.




## Change speed

Adjust the speed accordingly.




## Recheck safety rules (page 2)

Before turning the machine on.

# USAGE

While cutting make sure to not get your hands close to the blade. Always have your hand as shown in the picture.

## Important points

- Follow the safety rules (Page 2)
- Wear gloves for handling the workpiece
- No gloves while sawing
- Keep you hands away from the blade
- In doubt? Ask the supervisor