

# Mech Masz

Szczeciński



**Bread cutting and packaging line**

**Automatic line**

# EFFICIENT AND COMPACT AUTOMATIC LINE FOR CUTTING AND PACKAGING BREAD



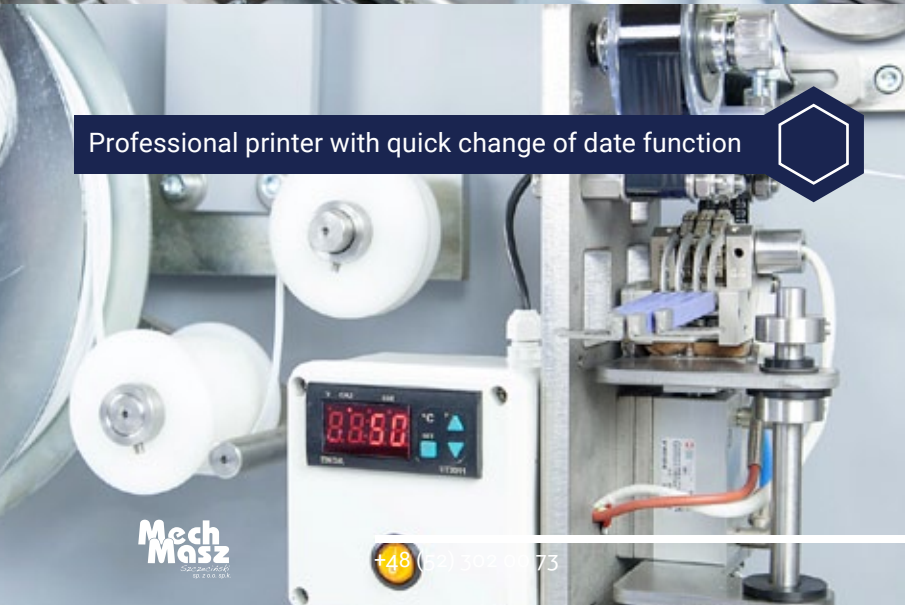
Four movable bread guide bands



Conveyor receiving the product from the slicer



Collecting the bread from the belt and bagging the bread



Professional printer with quick change of date function



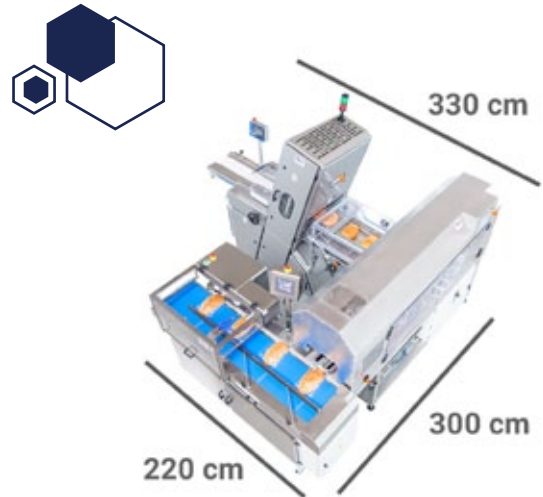
# FULL EQUIPMENT AS A STANDARD

# COMPACT DESIGN

## SPACE SAVING

## Saving space

The automatic slicing and packaging line was designed to streamline the tedious slicing and packaging process. At the same time, a special development team had the task of keeping the overall dimensions of the line as small as possible in order to save space. The aim was 100% achieved, with the line measuring 330 x 300 cm, so that it can even fit into small spaces.



CUTTER WITH BAND KNIVES

PACKAGING ROBOT

AUTOMATIC PACKING STATION SPA-3000

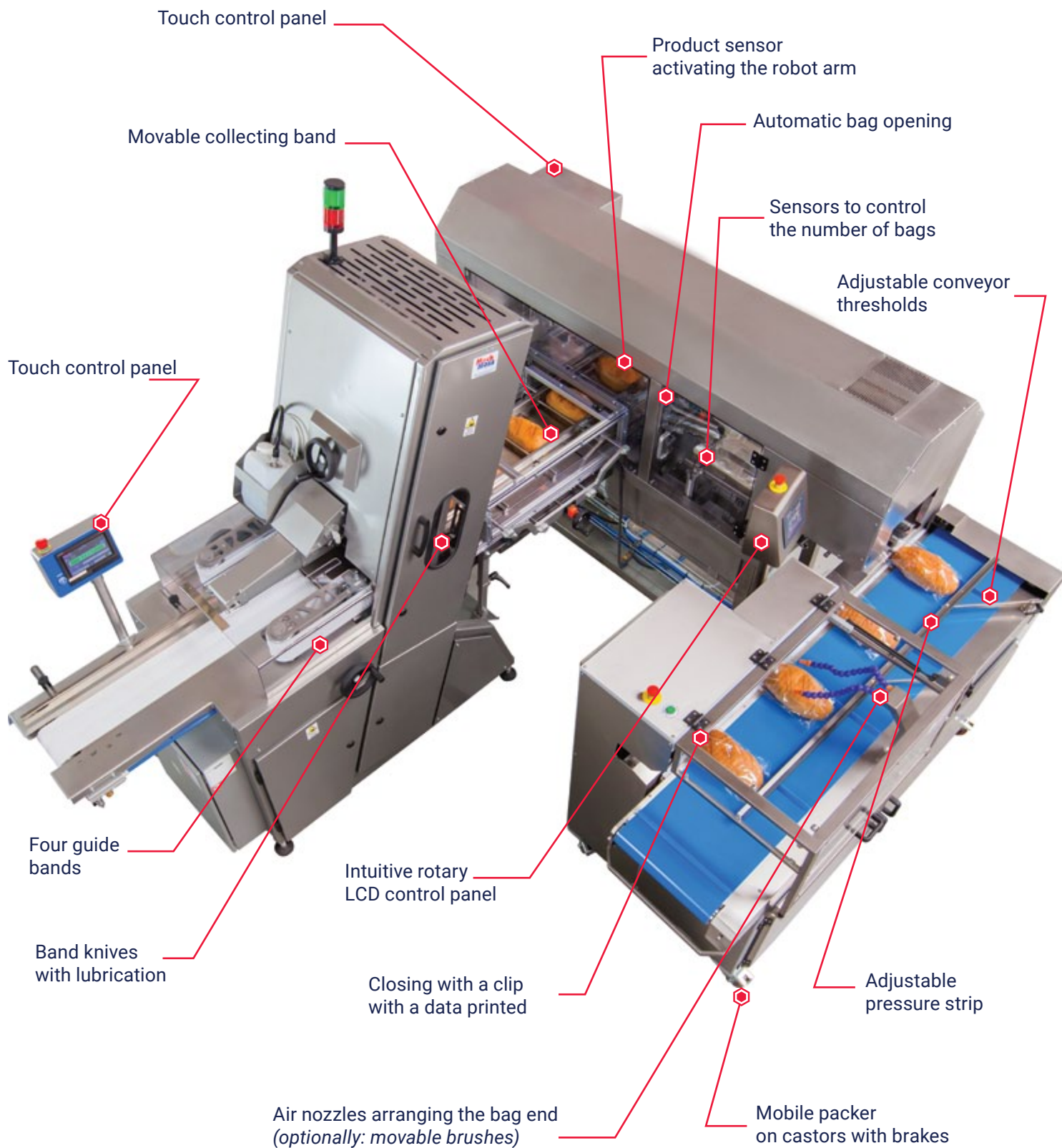
An optional rotary table – a storage of a packed product



**Mech  
Masz**  
SPECIALIZED  
EQUIPMENT

# Key functions

## all as a standard



# CUTTER WITH BAND KNIVES

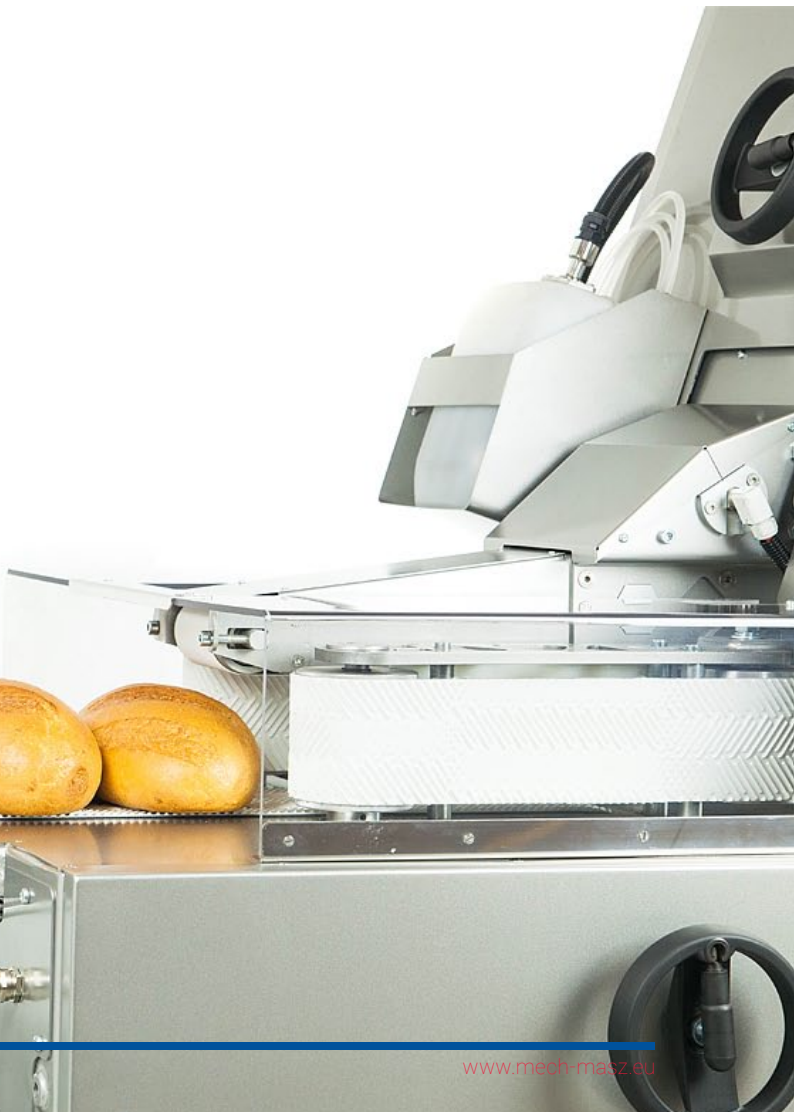
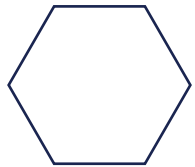
## Maximum capacity

It is designed as a standard for a 11 mm thick slice of bread. With the knife guided in a proper way, constant slice width can be maintained.

The machine is equipped with 167' long band knives of a long service life, which are easy to replace. It has been designed for connection with the automatic packing station **SPA-3000**. Products are fed with the top, bottom and side bands, whose

speed is adjusted directly from the LCD panel using an inverter.

By default, the cutter features synchronisation of bread loaf collection, one by one, up to the packing line (*detector at the outlet*).



# Characteristics

- 4 guide bands: 2 side, 1 top and 1 bottom as a standard for effective bread cutting.
- Knife lubricating system with nozzles as a standard. Lubricating force adjustable directly from the LCD panel.
- Maximum length of a cut bread: 400 mm.
- Manual feeding of a product onto the conveyor (*possible synchronisation with the conveyor*).
- 11 mm knife span – by default (*another on request*).
- Band knife drum with adjustable tension. Easy knife replacement.
- Band knife guide made of hardened metal to a specific bread slice thickness.
- Light sensor at the bread outlet of the machine.
- Broken knife sensor – machine stop.



## TECHNICAL DATA

**Drive power:** 4,18 kW, inverter controlled  
**Dimensions:** 876 x 2090 x 2000 H [mm]  
**Weight:** 770 kg  
**Connection:** 3 x 400 V – 50/60 Hz  
**Control voltage:** 24/12 Volt

# AUTOMATIC PACKING STATION

## SPA-3000

For closing foil bags with a packed product. In further steps, excess air is removed from the bag which is then closed with a wire clip. The ready product closed in this way may be taken off manually or collected on the rotary table.



- Detector recognising a product (manual or automatic operation) and a blank field (saving on clipping band).
- Adjustable blowing fan power at bag blow.
- Air nozzles arranging a bag and initially removing excessive air.
- Vacuum function – possible extension of the release time.
- Lifted and lowered feeding table, positioning a clip for bread loaves.
- Shift work counter, total counter.
- Automatic machine turn off in case of no 'work' performed – power saving.
- Programming a set number of bread loaves for packing.
- LCD control, touch panel, alarms displayed on the control panel.
- Protection of the clipping zone with a transparent cover.
- Housings made of high quality stainless steel AISI 304.

## TECHNICAL DATA

### PACKING SCOPE

**Width:** 100 – 250 mm

**Length:** 140 – 420 mm

**Height:** 50 – 160 mm

### OUTER DIMENSIONS

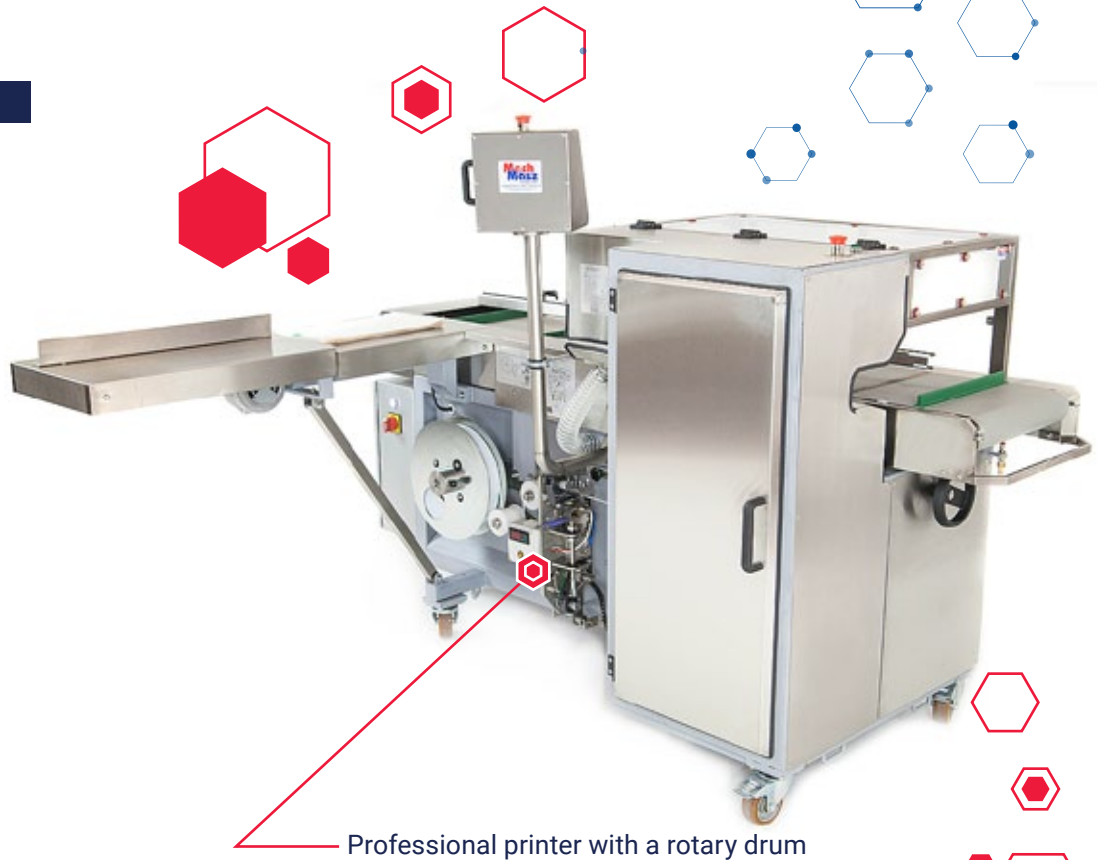
**Length:** 2150 mm

**Height:** 1210 mm

**Weight:** 340 kg

**Electric power:** 1 KW

**Voltage:** 400 Volt, 50 Hz

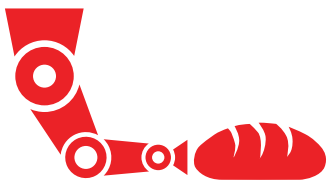


Professional printer with a rotary drum



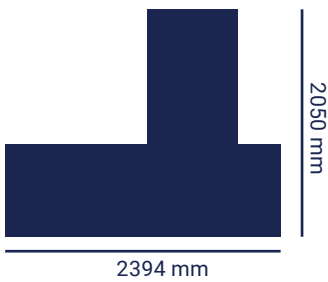
Clipping zone

# PACKAGING ROBOT

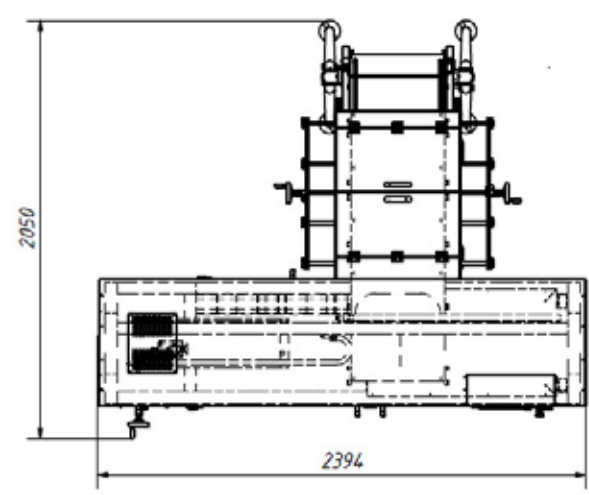
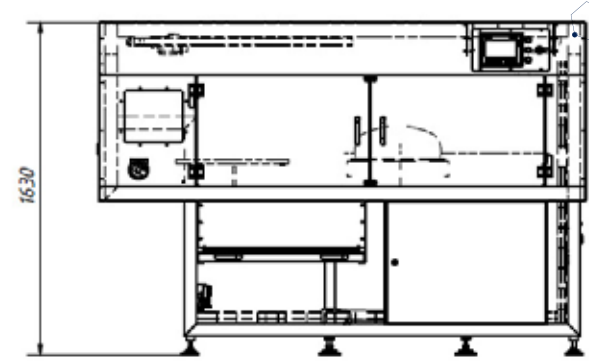
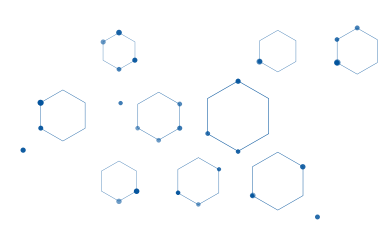
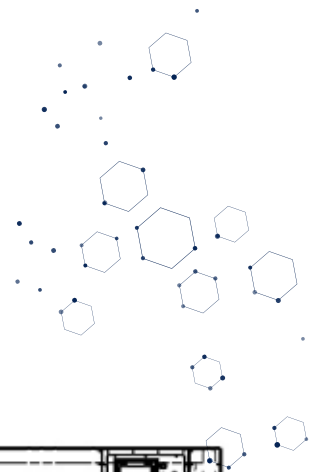


## Robot BG-1

The packaging robot picks up the bread directly from the conveyor, a special product sensor activates the robot arm and places the loaf in the bag. Once the bread is in the bag, the robot moves the bread further onto the conveyor of the packaging station, where the bag will then be closed with a date-printed clip.



- Equipped with a belt feeder with a photocell /reception of bread from the slicer/
- Conveyor to packaging tunnel
- Packaging speed steplessly adjustable - inverter
- LCD control panel on the right side of the machine
- The machine is equipped with two conveyor arms
- Bag blower with support nozzle
- Bag opening device for easy insertion of bread



## TECHNICAL DATA

**Width:** 2050 mm

**Length:** 2394 mm

**Height:** 1630 mm

**Weight:** 450 kg

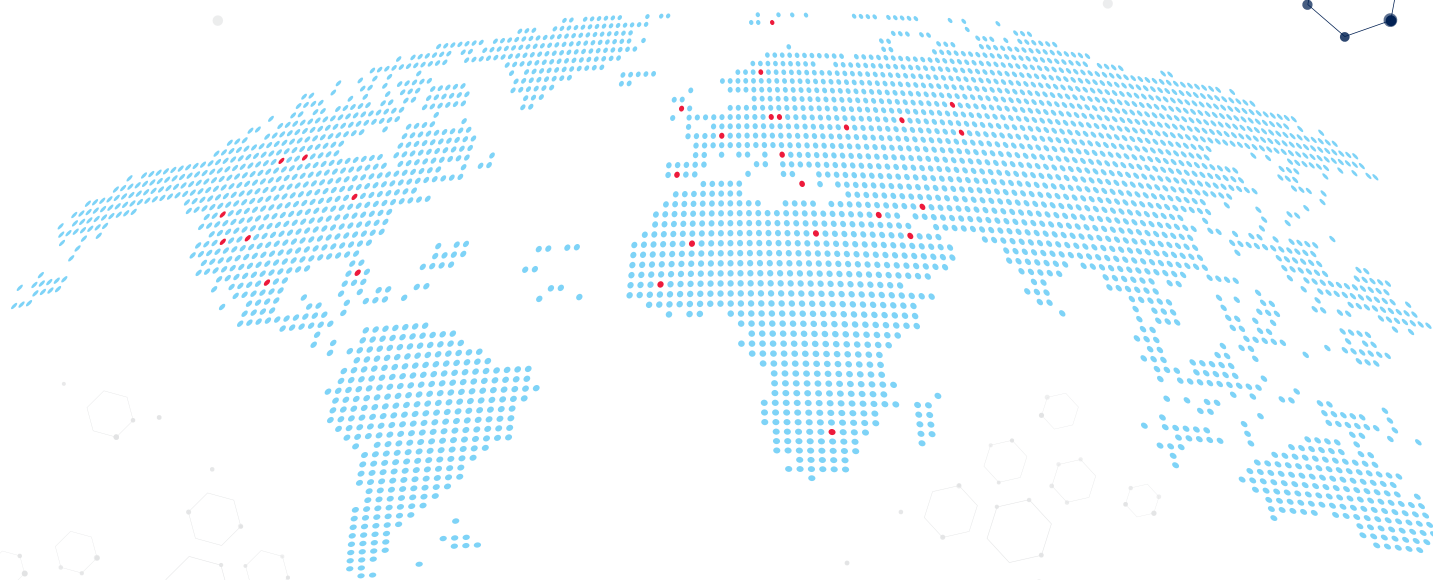
**Electric power:** 1,9 KW

**Voltage:** 3x400 Volt, 50/60 Hz



# Mech Masz

Szczeciński



## MECH-MASZ Szczeciński sp.j.



Jaroszewo 80  
88-400 ŻNIN  
POLAND



export@mech-masz.com.pl



tel.: +48 (52) 302 00 73  
tel.2: +48 (52) 303 12 38  
tel.3: +48 (52) 303 12 39

[www.mech-masz.eu](http://www.mech-masz.eu)