



Excellent jewelry tools made in Poland

product range



## Hand rolling mills

Our range of rolling machines includes three lines:

- The WJSM line will be best for the small workshops or artistic studios of independent creators.
- The WJ52 line includes machines that are perfect for all medium-sized workshops.
- The WJ66 line consists industrial rolling mills, suitable for continuous operation in production plants.

### Rolling mill WJSM-48

Rollers diameter: 48 mm  
 Rollers length: 90 mm (flat 57 mm)  
 Metal, thickness up to 4 mm  
 Wire rolling: 6,5 mm to 1 mm  
 Gear ratio: 1:1 weight: 22 kg



15.001.48



15.085.48

### Rolling mill WJSM-52 / WJSM-60

Rollers diameter: 52 mm / 60 mm  
 Rollers length: 120 mm (flat 60 mm)  
 Metal, thickness up to 5 mm  
 Wire rolling: 7 mm to 0,9 mm  
 Gear ratio: 1:4 weight: 31 kg / 35 kg



15.001.01



15.085.01

### Double rolling mill WJ-52R

Rollers diameter: 52 mm  
 Rollers length: 100 mm  
 Metal, thickness up to 5 mm  
 Wire rolling: up to 7,5 mm to 0,9 mm  
 Gear ratio: 1:4 weight: 55 kg



15.010



15.086

### Double rolling mill WJ-66R

Rollers diameter: 66 mm  
 Rollers length: 130 mm  
 Metal, thickness up to 5 mm  
 Wire rolling: 9 mm to 1 mm  
 Gear ratio: 1:4 weight: 102 kg



15.030



15.088

# Electric rolling mills

All our rolling machines have five key features:

- Compact, stiff, durable body structure.
- Induction hardened rolls with hardness 62 Hrc.
- Maintenance-free, self-lubricating bearings.
- Reduction gear allowing for work with little force.
- Possibility to install side profile rollers for the production of wedding rings.



## Electric rolling mill WJSM-52E

230V/400V

Rollers diameter: 52  
 Rollers length: 120 mm (flat 60 mm)  
 Metal, thickness up to 5 mm  
 Wire rolling: 7,5 mm to 0,9 mm  
 Weight: 90 kg



15.020



## Electric rolling mill WJ-52E

230V/400V

Rollers diameter: 52  
 Rollers length: 100 mm  
 Metal, thickness up to 5 mm  
 Wire rolling: 9,1 mm to 0,9 mm  
 Weight: 90 kg



15.025



## Electric rolling mill WJ-66E

400V

rollers diameter: 66  
 rollers length: 130 mm  
 metal, thickness up to 12 mm  
 wire rolling: up to 12 mm to 0,8 mm  
 weight: 188 kg (speed regulation option)



15.045



## Electric rolling mill WJSM-60x2 Es

230/400V

Rollers diameter: 52  
 Rollers length: 120 mm  
 Metal, thickness up to 8 mm  
 Wire rolling: 8 mm to 0,9 mm  
 Weight: 90 kg (speed regulation option)



15.009.02





## Retro series

Retro is our unique product line for customers who, in addition to full functionality and also require a beautiful appearance from a solid tool. It is for all of them we have created the Retro tool line. If your workshop is also open to your customers and you would like to show them some details of your work, the sight of these stylish devices will surely make a big impression on your guests.

### Hand rolling mill WJSM-60 retro

Rollers diameter: Ø 60 mm  
 Rollers length: 120 mm (flat 60 mm)  
 Metal, thickness up to 5 mm  
 Wire rolling: 7 mm to 0,9 mm  
 Gear ratio: 1:4  
 Weight: 35 kg



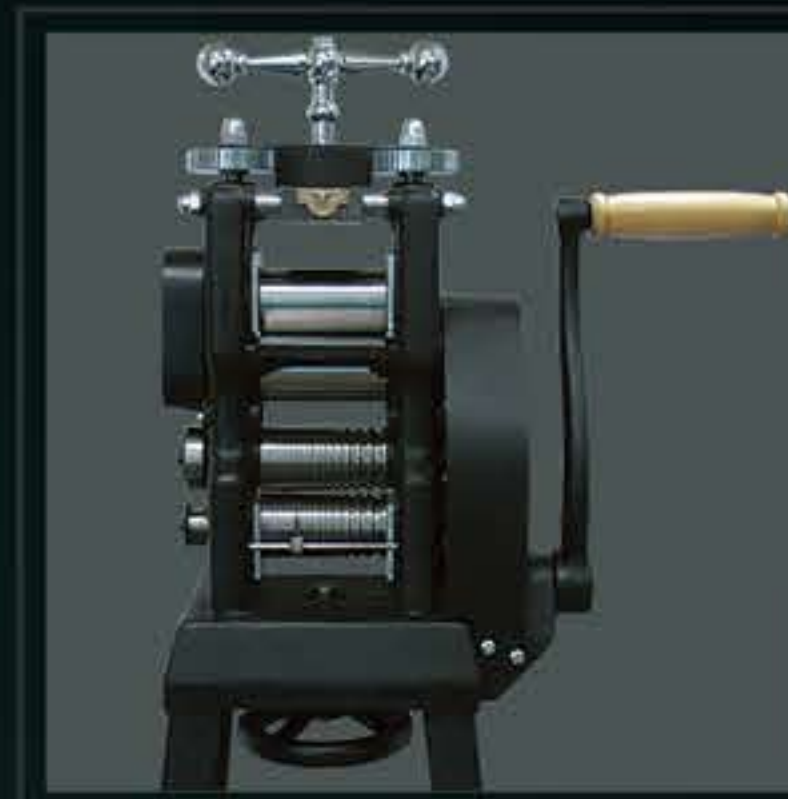
15.001.02



15..085.02

### Hand rolling mill WJ-52R retro

Rollers diameter: Ø 52 mm  
 Rollers length: 100 mm  
 Metal, thickness up to 5 mm  
 Wire rolling: 9 mm to 0,9 mm  
 Gear ratio: 1:4  
 Weight: 57 kg



15.010.01



15.085.05

### Hand rolling mill WJSM-60x2 retro

Rollers diameter: Ø 60 mm  
 Rollers length: 120 mm  
 Metal, thickness up to 5 mm  
 Wire rolling: 11 mm to 1 mm  
 Gear ratio: 1:4  
 Weight: 74 kg



15.011.04



15.085.04

### Wedding ring sizer PUKO 1 retro, PUKO 2 retro

Extra hard (60 Hrc) stretching pivot  
 Polished steel reducing plate Ø 13 mm-25 mm

### Ring sizer and roller RN-3 retro

3 hard cones Ø 12,5 mm-23 mm  
 8 rollers with 13 profiles 1,5 mm-6 mm



15.701.04 15.700.04



15.735.01.02



## Forming and rings resizing

They may look similar, but these tools are a step ahead of the competition.

The expansion cone is coated with tech chrome. Smooth operation thanks to the eccentric gear. The reduction die plate is polished tool steel. The unique operating principle of the RN-3 is the lack of deformation of the enlarged ring.

### PUKO 1 ring stretcher-reducer (side ring coiler)

Enlargement range: Ø 13 mm-25 mm

Reduction range: Ø 26 mm-12 mm

Weight: 11 kg

### PUKO 2 ring stretcher-reducer

Weight: 10 kg



15.700



15.701

### RN-3 ring roller

Resize and shaping of rings, also with stones.

Size range from Ø 12.5 to 23 mm (3 pins).

Ring width range from 1.5 mm to 6 mm (9 rollers).

Clock scale for easy control of the size change.

Weight 6 kg.

**\*RN-3 ring roller with a box**



15.735.04



15.735.01

### ZWS-1 ring bender

Ring thickness 1.5-6.0 mm

Two plastic shapes and three steel shapers

Weight 2.5 kg

### ZWG-1 ring bender

Ring thickness 0.5-3.5 mm

Nine shapers for full range of ring diameters

Weight 2.0 kg



15.120



15.125

### Flywheel press

pressure 3 tons Clearance 175 mm Weight 60 kg

### Rack and pinion press small

pressure 150 kg Clearance 55 mm Weight 12 kg

### Rack and pinion press medium

pressure 600 kg Clearance 245 mm Weight 27 kg



15.100.01



15.110

15.112

# Draw benches

- Preparation of gold or silver wire without effort.
- Many models of manual and electric devices. Proven design with belt or chain mechanism.
- Manual chain models have a ratio that changes the force and speed of pulling the wire.
- Full range of lengths of pulled material from 650 mm to 2000 mm.

## CR draw bench series

Working length: 900 mm  
 Gear ratio: 1:5  
 Quick belt release  
 Dimensions: 130x25x25 cm  
 Weight: 20 kg



15.300



## CGDR manual draw bench series

Working length: 650/1200/1500/2000 mm  
 Gear ratio: 1:5 and 1:1  
 Possibility of wall mounting  
 Dimensions: 100-240x60x95 cm  
 Weight: 65-105 kg



15.309-15.112

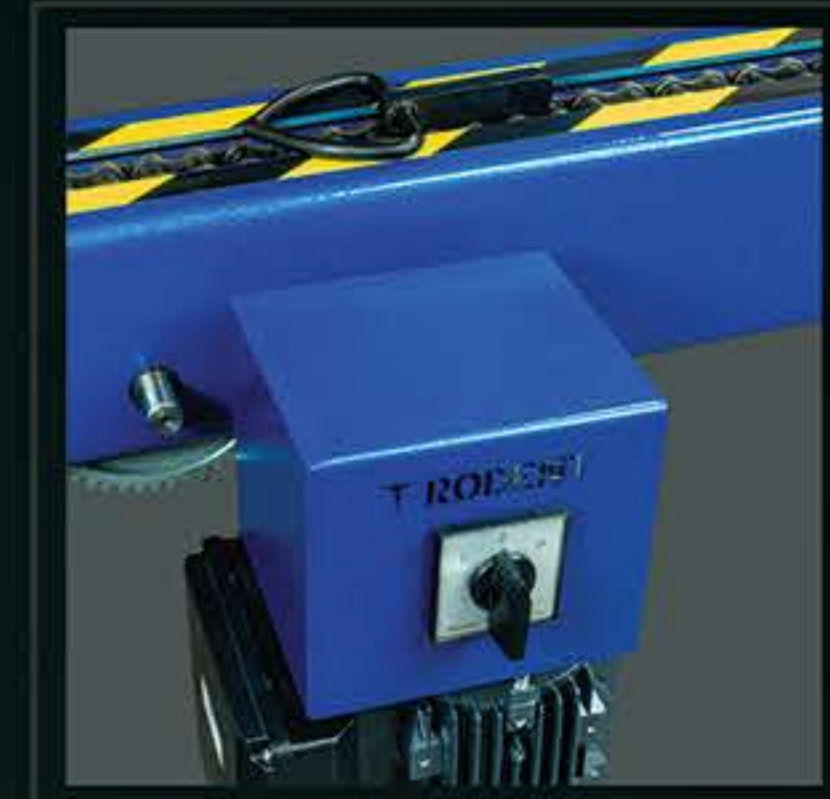


## CGDE electric draw bench series

Working length: 650/1200/1500/2000 mm  
 Working speed: 7 m/min  
 Power: 0.75 kW 230 V or 400 V  
 Dimensions: 100-240x60x95 cm  
 Weight: 85-135 kg



15.320-15.322



## Drawing tongs

Self-locking chain drawing tongs 30.050.11  
 Classic chain pulling tongs 30.050.10  
 Manual pulling tongs 30.050.01



30.050.11



30.050.10 30.050.01



## Dapping die with punches

- All sets finished to a mirror shine.
- Top quality tool steel.
- The working surface of the die is over 50% of the ball diameter of a full sphere, only such a solution allows obtaining a perfect ball from two halves.
- In case of loss or wear of individual punches, we ensure their availability.
- Each set in an aesthetic, protective wooden box.

### Small dapping die set

Working range: 2.5 mm-25 mm  
 Number of punches: 25 pcs  
 Dapping block shape: flat 25 holes  
 Tool steel, mirror polish  
 Weight 5 kg



15.430



### Medium dapping die set

Working range: 2.5 mm-32 mm  
 Number of punches: 29 pcs  
 Dapping block shape: flat 29 holes  
 Tool steel, mirror polish  
 Weight 9 kg



15.431



### Large dapping die set

Working range: 2.5 mm-50 mm  
 Number of punches: 32 pcs  
 Dapping block shape: cubic 32 holes  
 Tool steel, mirror polish  
 Weight 10 kg

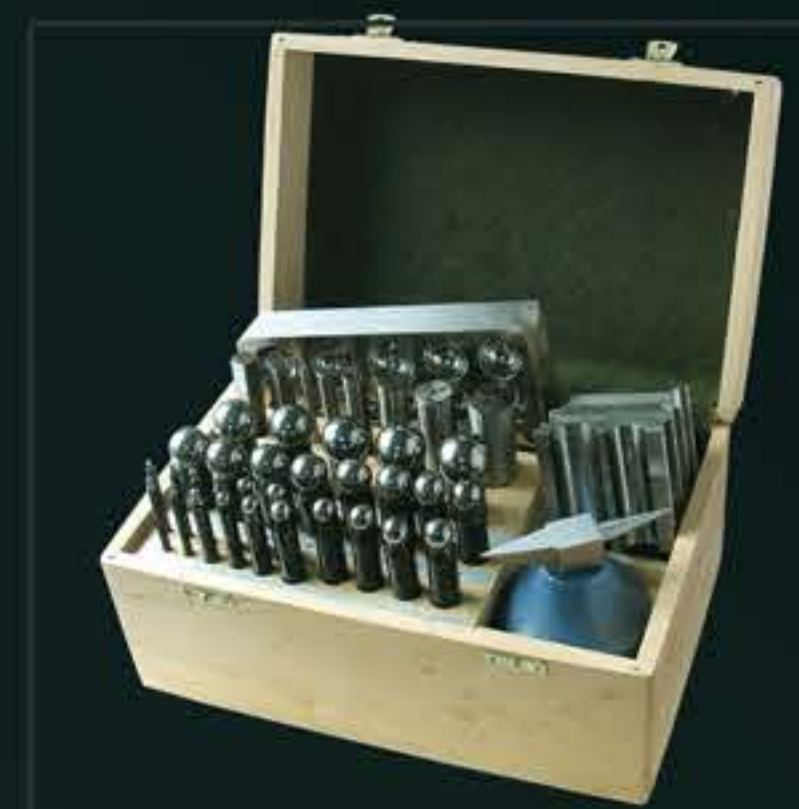


15.445



### Special large dapping die set

Working range: 2.5 mm-32 mm  
 Number of punches: 29 pcs  
 Dapping block shape: polished flat, 29 holes,  
 Tube forming block with 60-degree,  
 90-degree grooves and anvil, Weight 14 kg



15.470





## Basic disc cutters

- Legendary quality of tool steel.
- The diameter range covers all popular sizes.
- Only the highest precision of tool manufacturing ensures a perfect cutting edge of the element.
- The wooden cassette protects the die and also looks great.
- Spare punches can be sold separately.

### Small disc cutter

Diameter range: 3 mm-14 mm  
 Number of punches: 12 pieces (step 1 mm)  
 Recommended sheet thickness up to 0.8 mm  
 Weight 2.2 kg



15.600



### Small disc cutter extended

Diameter range: 3 mm-14 mm  
 Number of punches: 18 pieces (3 mm-9 mm step 0.5 mm)  
 Recommended sheet thickness up to 0.8 mm  
 Weight 4.0 kg



15.600.01



### Medium disc cutter

Diameter range: 15 mm-22 mm  
 Number of punches: 8 pieces (step 1 mm)  
 Recommended sheet thickness up to 1.0 mm  
 Weight 4.0 kg



15.602



### Large disc cutter

Diameter range: 23-36 mm  
 Number of punches: 8 pieces (step 1 mm)  
 Recommended sheet thickness up to 1.0 mm  
 Weight of the set 6.8 kg



15.603







## Highest quality cutting dies

- Additional pilot pins allow for cutting out washers.
- The clamp ensures quick fixing of the sheet in the tool.
- Two models available for square elements.
- The wooden cassette protects the die and also looks great.
- Spare punches can be sold separately.

### Small disc cutter extended with guide

Diameter range: 3 mm-14 mm  
 Number of punches: 18 pieces (3 mm-9 mm step 0.5 mm)  
 Recommended sheet thickness up to 0.8 mm  
 Weight 5.0 kg



15.600.02



### Medium disc cutter with guide

Diameter range: 15 mm-22 mm  
 Number of punches: 8 pieces (step 1 mm)  
 Recommended sheet thickness up to 1.0 mm  
 Weight 5.0 kg



15.602.01



### Large disc cutter with guide

Diameter range: 23-36 mm  
 Number of punches: 8 pieces (step 1 mm)  
 Recommended sheet thickness up to 1.0 mm  
 Weight 7.5 kg



15.603.01



### Small square die with guide

Size range: 3-12 mm Number of punches: 10 pieces (step 1 mm)  
 Recommended sheet thickness up to 0.8 mm Weight 4.0 kg

### Large square die with guide

Size range: 10-20 mm Number of punches: 11 pieces (step 1 mm)  
 Recommended sheet thickness up to 1.0 mm Weight 6.5 kg



15.607



15.605

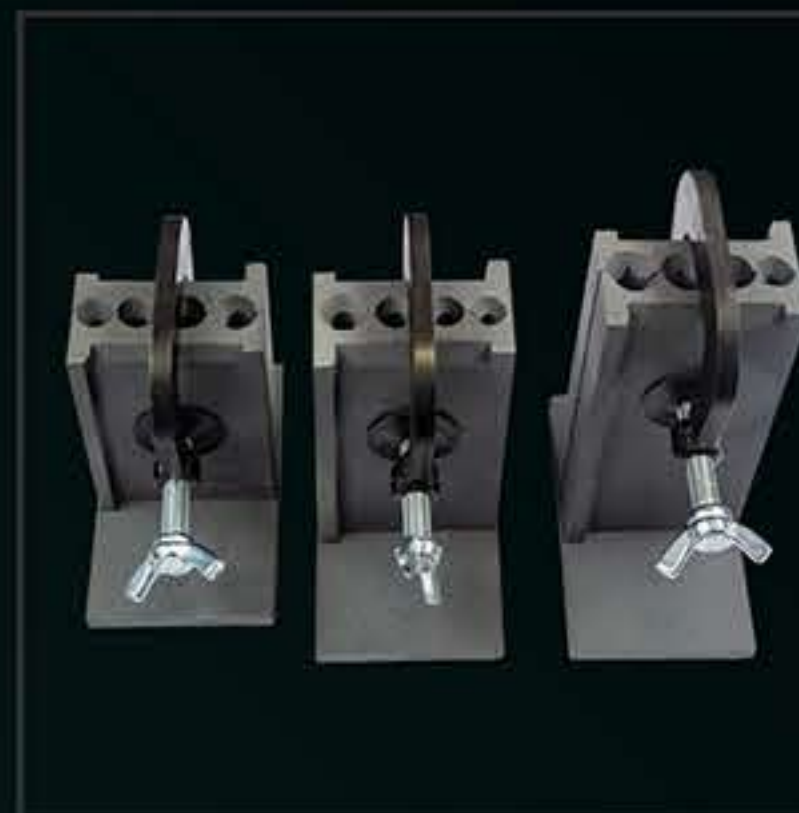


## Casting and soldering tools

- Casting moulds made of durable, resistant cast iron.
- Full range of casting ingot mould heights.
- Ability to cast both bars and sheet metal.
- Open casting moulds best for gold and silver bars.
- The offer is complemented by a wide range of heat-resistant blocks and crucibles made of natural and pressed charcoal.

### Combined casting moulds

Shape: round/square  
 Height: 60/80/100/120/150 mm  
 4 Rod profiles: 4 mm, 5 mm, 6 mm, 7 mm  
 Max sheet width: 45 mm



10.105-150



10.105-150

### Small Medium Large Horizontal casting moulds

**Small** flat 170x30x10 mm wire 7 mm 9 mm  
**Medium** 220x48x40 mm around 1,5 kg Au  
**Large** 270x50x60 mm around 3 kg Au



10.100



10.102  
10.101

### Natural charcoal block

100% Linden wood. Weight 0.11 kg 140x70x30 mm

### Pressed charcoal block

Only natural ingredients.  
 Weight 0.22 kg 140x70x30 mm



10.443



10.442

### Pressed carbon crucibles

Small  $\varnothing$  70 mm 250 g Au  
 Medium  $\varnothing$  70 mm 850 g Au  
 Large  $\varnothing$  80 mm 1000 g Au

### Pressed carbon plates 3 types:

- $\varnothing$ 150x30mm
- 200x140x30mm
- 70x60x30mm



10.015

10.440



10.444

10.017

10.018

10.441

# Jewelry tables

- Solid, stable, wooden workbenches in two sizes
- Tops made of thick, durable plywood.
- Steel plate for attaching a wedge or other handles.
- Well-thought-out arrangement of lockable drawers and cabinets.
- Carefully made and painted to a high gloss to support jewelers in their daily work.

## Large jeweler's workbench

Two lockable cabinets with drawers.  
Mounting plate and two wedges included  
Worktop surface: 1200x620 mm  
Height: 920 mm  
Weight 75 kg



36.001.04



## Small jeweler's workbench

One lockable cabinet with drawers.  
Mounting plate and two wedges included  
Worktop surface: 1050x620 mm  
Height: 920 mm  
Weight 75 kg



36.002



## Cabinet for jeweler's workbenches

7 drawers made of plywood  
Flat top 270 mm x 380 mm  
Height 850 mm  
Weight 27 kg



36.008



## Wedges for jeweler's workbenches

Made of hardwood  
Dimensions 35 mm x 60 mm x 150 mm

## Wooden table accessories

Locked box for cutters, stand for cutters,  
stand for saw blades



36.020



20.575.01

20.805

20.575.02

# Engraving and stones setting

- Three categories of engraving balls for every type of work.
- Solid, well-balanced, guarantee a firm grip on every detail.
- Universal handles, extensions dedicated to rings and wedding rings.
- Everything perfectly suited to work with a microscope and pneumatic engravers.

## Small universal engraving block

Diameter 80 mm  
 Ball-bearing head with the possibility of blocking  
 Special matte coating eliminates light reflections  
 Set of mounting pins included  
 Weight 3 kg



18.008

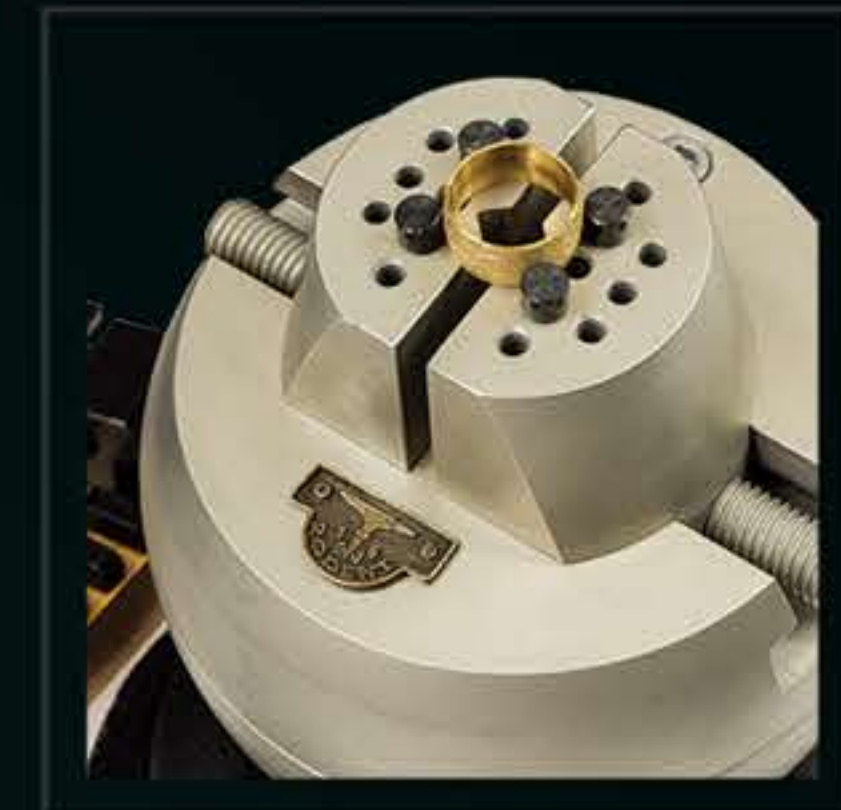


## Large universal engraving block

Diameter 120 mm  
 Ball-bearing head with the possibility of blocking  
 Special matte coating eliminates light reflections  
 Set of mounting pins included  
 Weight 8 kg



18.007



## Large chrome engraving block

Diameter 120 mm  
 Rotating head with the possibility of locking  
 Large (60 mm) space in the screw holder  
 Surface finish with durable chrome coating  
 Weight 6 kg



18.006



## Cast iron engraving block

Diameter 120 mm  
 Extremely durable monoblock construction  
 Large (55 mm) space in the screw holder  
 Weight 5.5 kg  
 \*version with a hole for mounting long elements available



18.001



18.002

### Pitch bowls

Made of cast iron

Polished smooth edge

**Small** 120 mm, 1.3 kg.

**Medium** 150 mm, 1.5 kg.

**Large** 200 mm, 3.5 kg.

18.300

18.302

18.301



18.300-302



### Rotary metal clamp

Essential aid for setting stones

Wide range of positioning of the detail

Vise clamped with the lower screw

Compatible with the 36.010 table holder

Weight 2.5 kg



30.430



### Ring expansion holder - square / round

Adapted to work in engraving blocks / clamps

For work on the outer surface of the ring

Secure fastening rings  $\varnothing$  13.5 mm - 23 mm

Mounting body 25 x 25 mm /  $\varnothing$  32 mm

Weight 0,5 kg / 1 kg



30.431



30.432

### Shelf for engraving block

Secure mounting for all types of engraving blocks

Adjustable height range for a best position

Compatible with table holder 36.010 Weight 4 kg

### Leather pad for engraving blocks

Diameter 150 mm Weight 0.3 kg



18.012



18.010

### 22 piece stone setting burnisher set

Range 1.5 - 9.9 mm step 0.4 mm.

Tools steel material, polished surface.

Wood-metal clamp and storage box in a set

Version without holder and box available

Weight 0.7 kg



15.135





# Seamless wedding rings

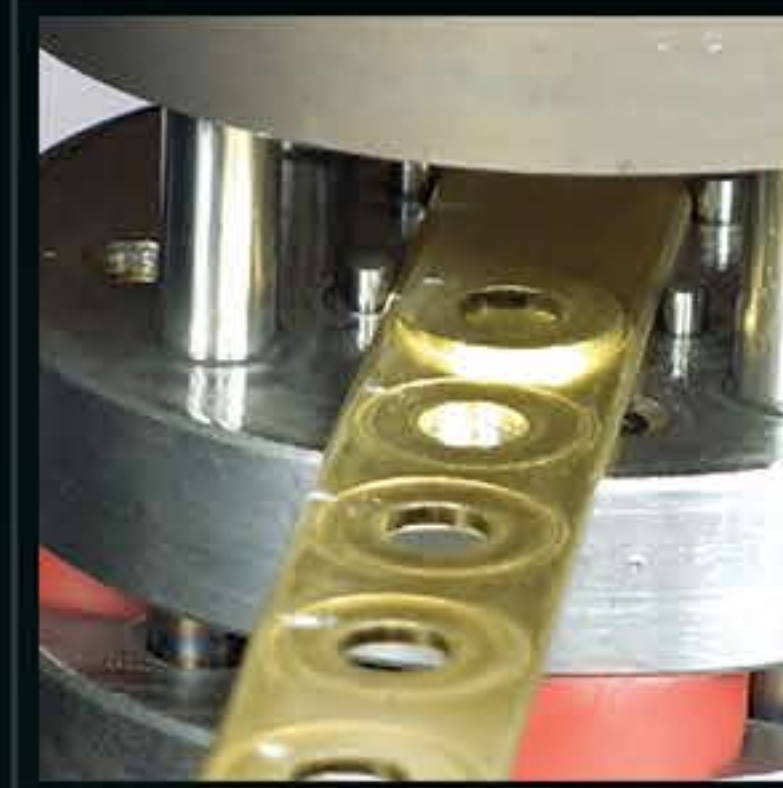
A simple-to-use set of machines and tools allows you to start serial production of wedding rings in a full range of sizes, profiles and thicknesses. Available ring widths from 2 mm-10 mm - flat, semi-circular and comfort fit. The method saves a lot of time, and the rings made here are an excellent, high-quality, repeatable product with a hard, scratch-resistant surface.

## Step I. Pad cutting die

Pad cutting die  
Standard sheet thick. up to 2.1 mm  
(max 3.0 mm option)  
Ring width range: 2 mm-10 mm  
Required press pressure: 15 tons



15.800.21



## Step II. Pad forming cone

OZP-4 device + single sleeve  
The washer is formed into a cone  
Single sleeve supports one width  
from 2 mm-10 mm  
Required press pressure: 3 tons



15.801.03



## Step III. Pad forming tube

Set of 13 sleeves + OZP-4 device  
The cone is flipped into tube  
Use one sleeve for band thickness  
from standard range 0,9mm-2,1mm  
Required press pressure: 3 tons



15.801.02

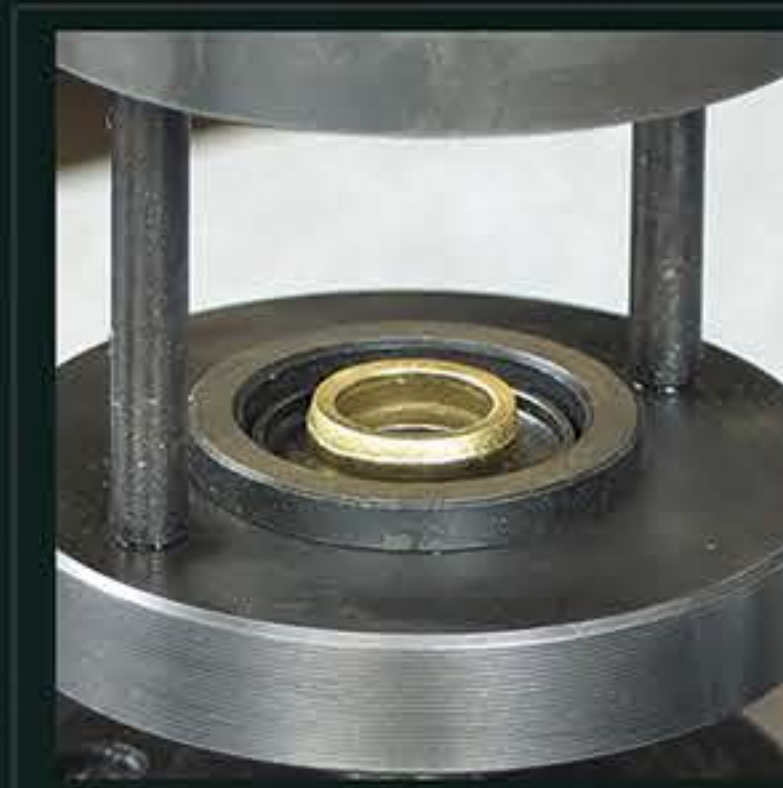


## Step IV. Ring cambering

Cambering Tool SO-01  
Make perfect width of the ring  
Possibility of reducing the width  
by up to 0.6 mm  
Required press pressure: 3 tons



15.803



### Step V. Profile and size forming

RSO-2 or WSO-7 rolling machine  
Profiles: flat, semi-circular,  
comfort profile inside  
Ring size: from 13 mm to 33 mm  
Ring thickness: 0.6 mm to 2.5 mm



15.800.05



### Step VI. Calibrating a wedding ring

A set of calibrators KO-01, KO-02  
Standard diam: Ø 15 mm-22 mm  
Extend diam: Ø 12 mm- 23.5 mm  
Required press pressure: 3 tons



15.802.02

15.802.01

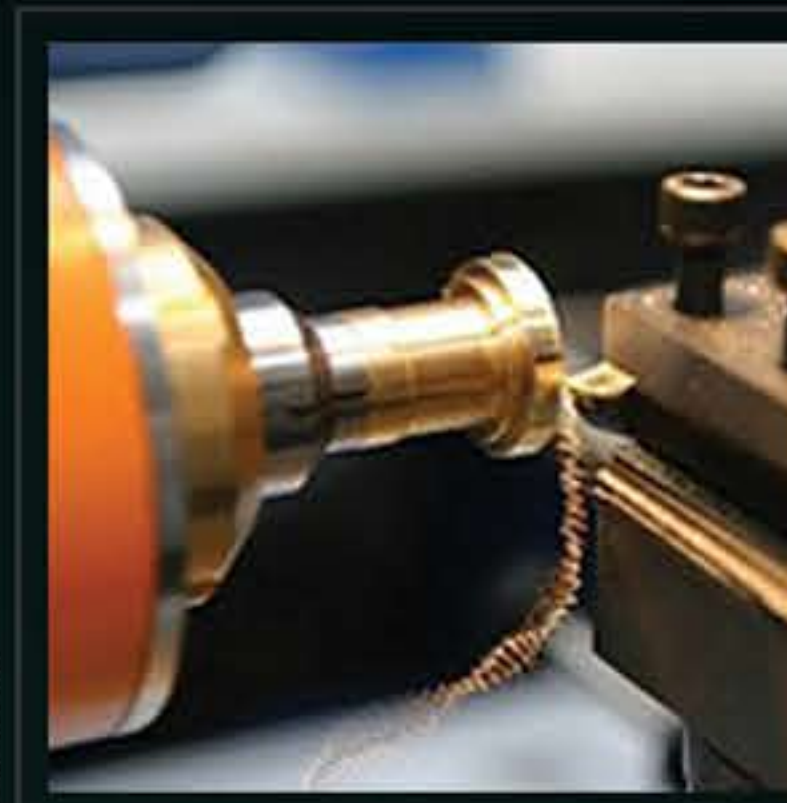


### Step VII. Machining on a lathe

Lathe for wedding rings TO-01  
External and internal machining  
of the wedding ring  
Turning on a radius in and out  
Line cutting, edge chamfering

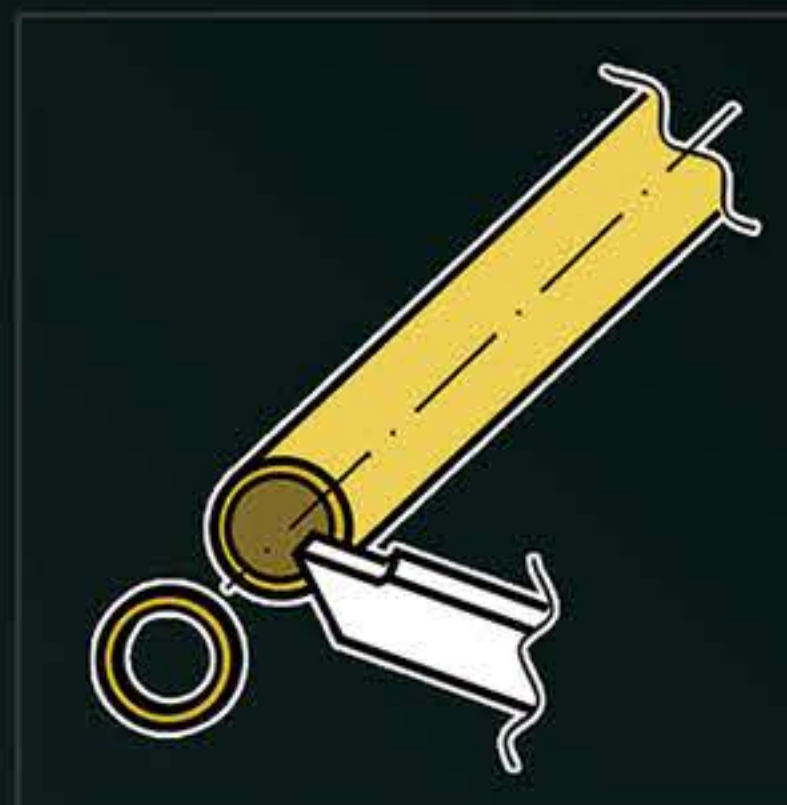


20.910



### Alternative production methods

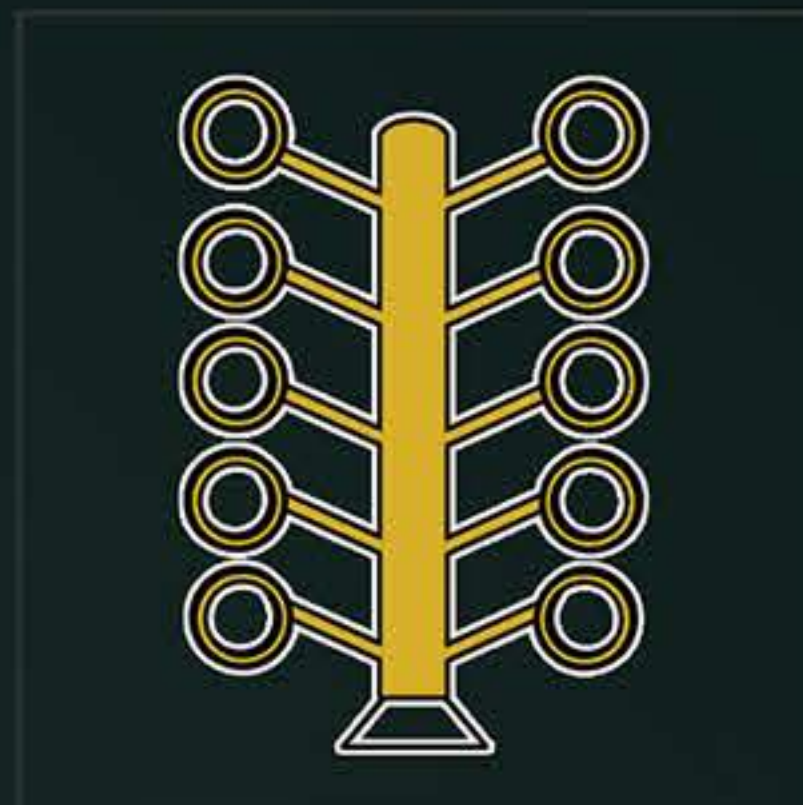
Tube cast on a continuous  
casting machine  
Tube cutting in to section  
Forming and enlarging on  
WSO-7 or RSO-2



WSO-7

### Alternative production methods

Casting a wedding ring mold on  
a casting machine  
Cut and grind cut section  
Forming and enlarging on  
WSO-7 or RSO-2



WSO-7

# Ring rolling machine WSO-7



15.800.05

A unique machine thanks to which the production of rings is simple, fast, and the rings obtained are of the highest quality. The ring has a very dense internal structure, its surface is hard, easy to polish and at the same time resistant to scratches. The short time needed to make a ring means low production costs.

## TECHNICAL DATA:

Dimensions:	600x540x400 mm
Weight:	108 kg
Power:	400 V 0,5 kW
Ring width range	2 mm - 10 mm
Ring inside diameter range	13 mm - 33 mm
Ring thickness range	1 mm - 3,5 mm
Efficiency	180 rings/hour



The dial gauge is a quick control of the size of the ring being made



A pair of supporting rollers - a guarantee of a perfectly round shape of the ring.



Worm gear box with handle-precise control of roller pressure

## Accessories:



Round profile rollers



Flat profile rollers



Comfort inside pin



# Wedding ring lathe TO-01



A professional ring lathe, heavy cast iron base are a design that guarantees no vibrations and an ideal surface after machining with a diamond knife.

Machine with accessories let work:

- On the outside of the ring and inside the ring
- On the outside along the radius and inside along the radius

LED lighting. Controller with speed regulation.

## TECHNICAL DATA:

Power:	0,3 kW/230V/50 Hz
Rotation speed	425 - 4200 r.p.m
Dimensions	600x250x300 mm
Weight	75 kg



Precision spindle with expansion head, rotating vice with the possibility of mounting 4 knives.

## Accessories:



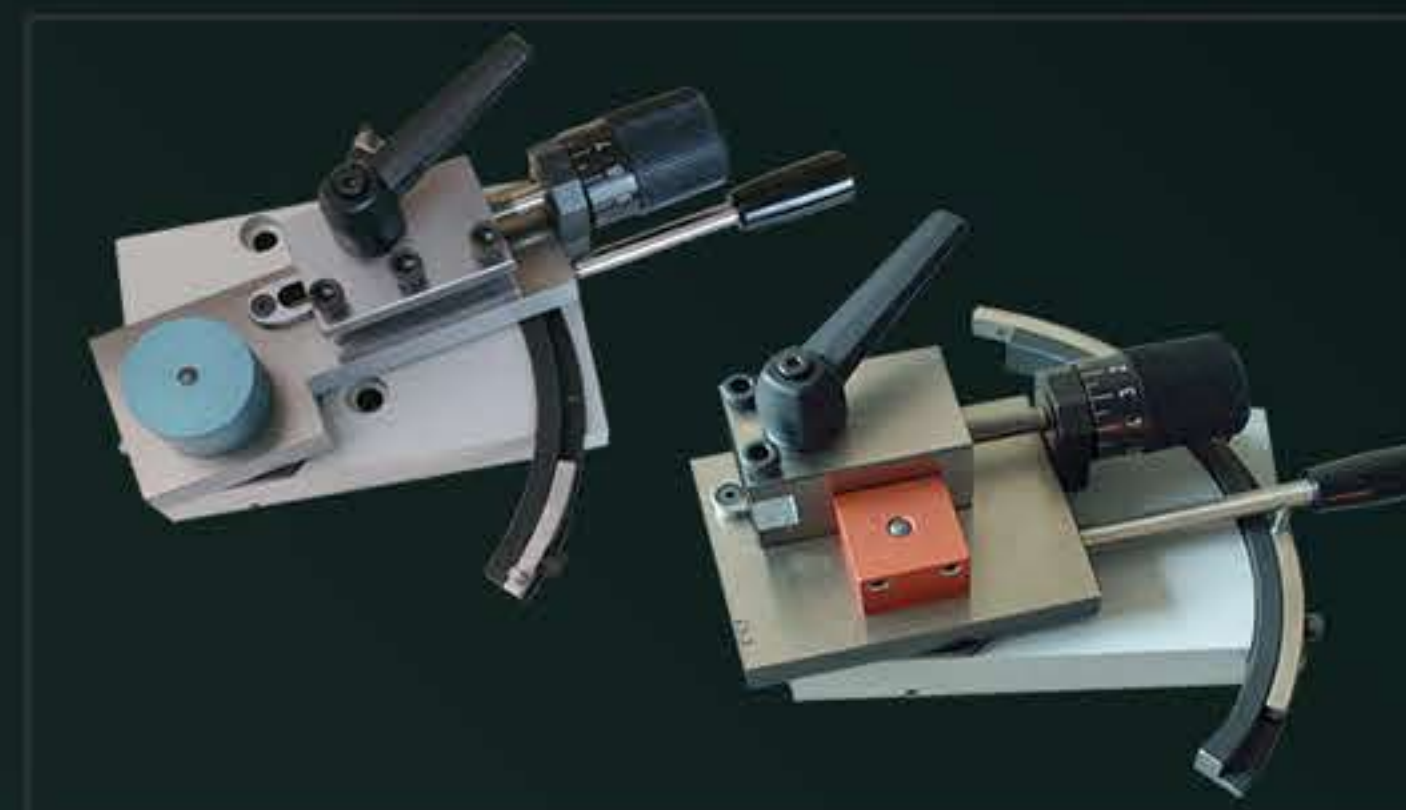
Controller with possibility of smooth speed regulation in the range 425 rpm to 4200 rpm.



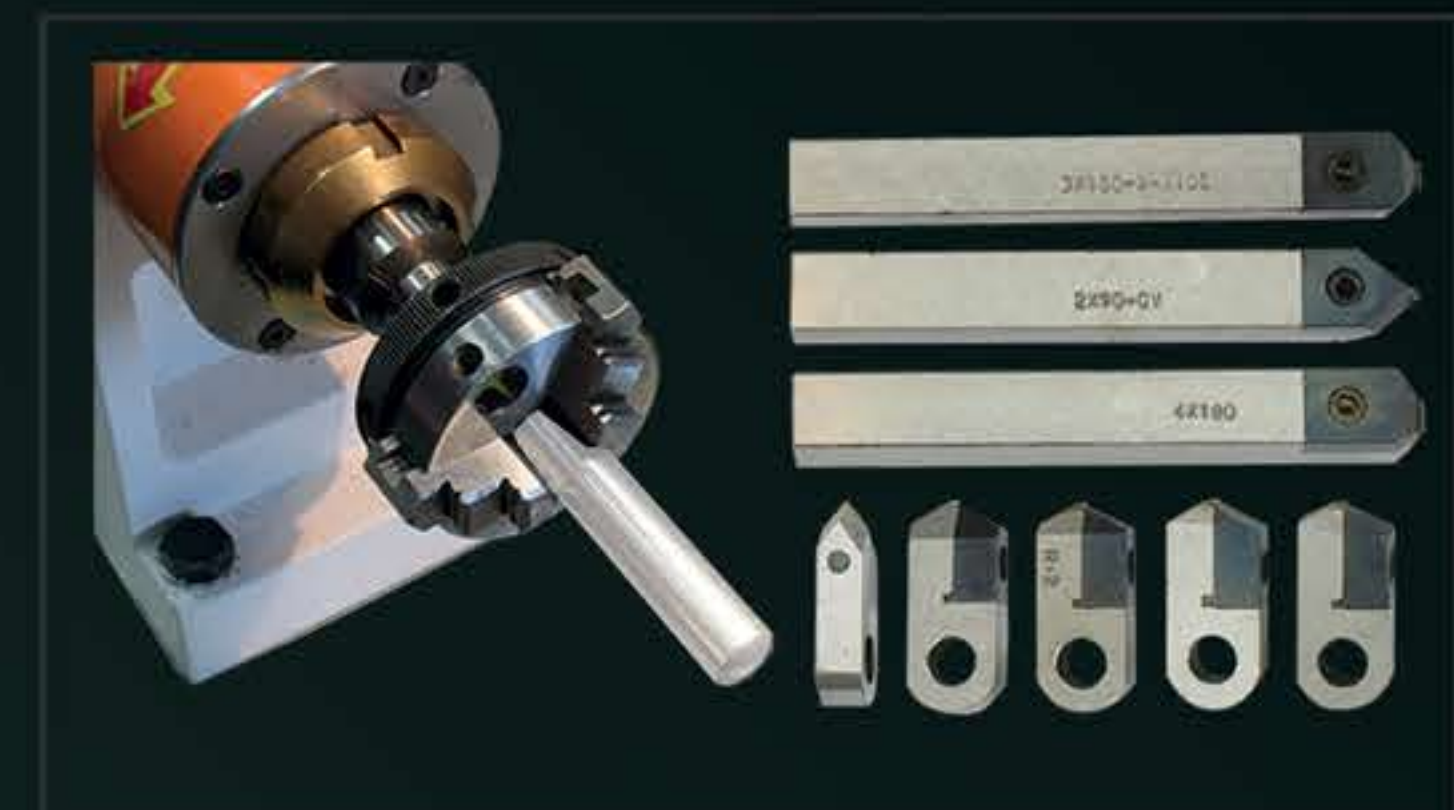
Standard set of 5 mm wide collets range 13-23.5 mm. Available collets with a width 2 mm, 3 mm or 4 mm.



Set of 33 collets outside 20.900.02  
Set of 45 collets inside 20.910.01



Inside radius tool 20.910.02  
Outside radius tool 20.910.03



3 jaw self centring chuck 20.901.05  
Cutting diamond knives 21.00x.xx

# Ring rolling machine RSO-2

A machine designed for small workshops that make several pairs of rings per week. The method of operation is identical to the WSO-7 machine, however, due to the simplified construction and the lack of a pair of guide rollers, it is recommended to work with rings up to 7 mm wide.

## TECHNICAL DATA:

Dimensions:	450x220x350 mm
Weight:t	30 kg
Ring width range	2 mm - 7 mm
Ring inside diameter range	13 mm - 33 mm
Ring tickness range	1 mm - 3,5 mm
Efficiency	10 rings/hour



Dial gauge - measurement of the size of the ring in real time

## Accessories:



Ability to work with a concave profile mandrel - making rings with a comfortable internal cross-section



Main roll pressure wheel guided on threaded columns - precise control of the increase in the size of the ring



Round profile rollers



Flat profile rollers

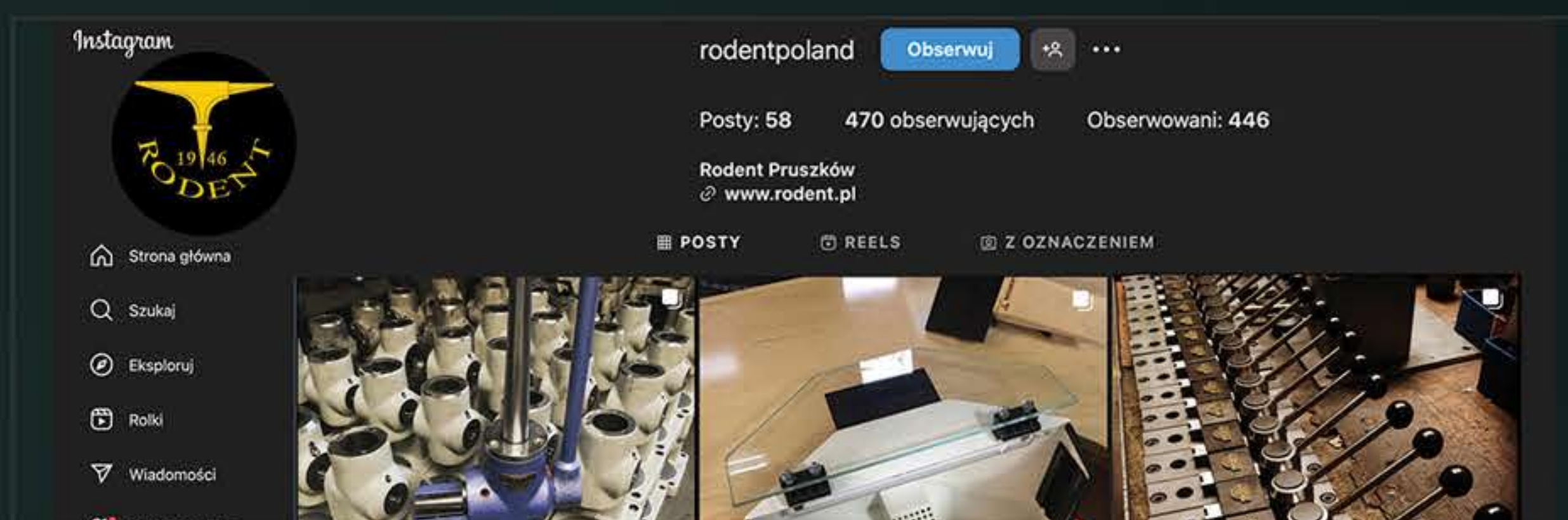
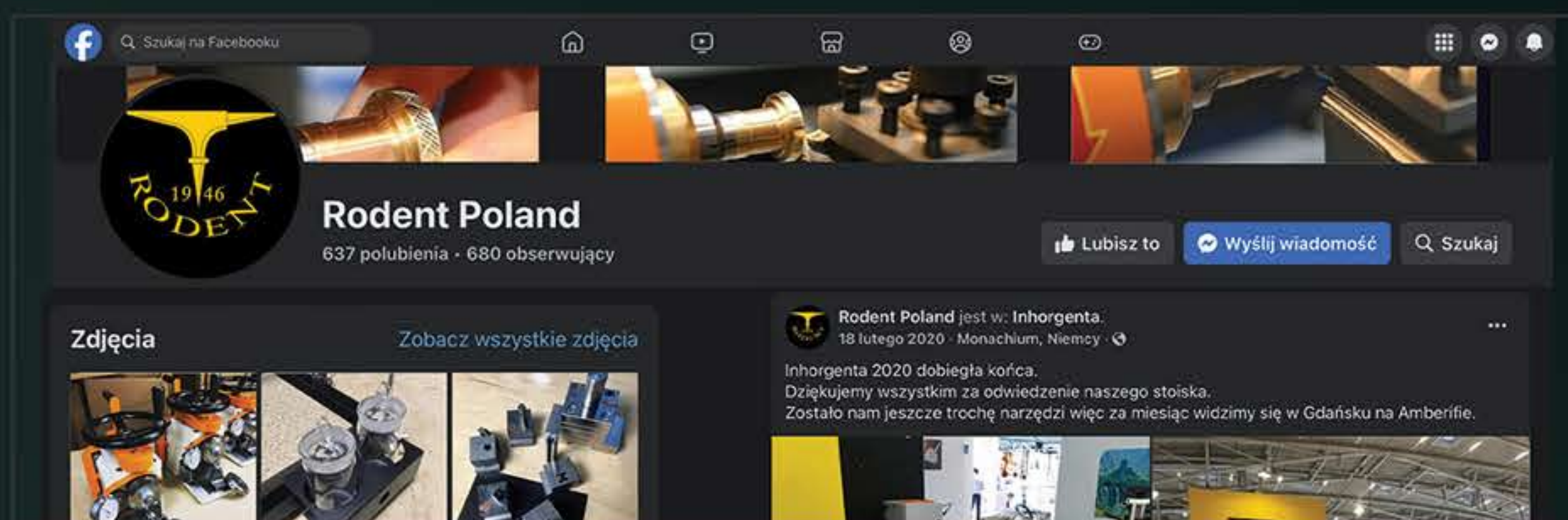
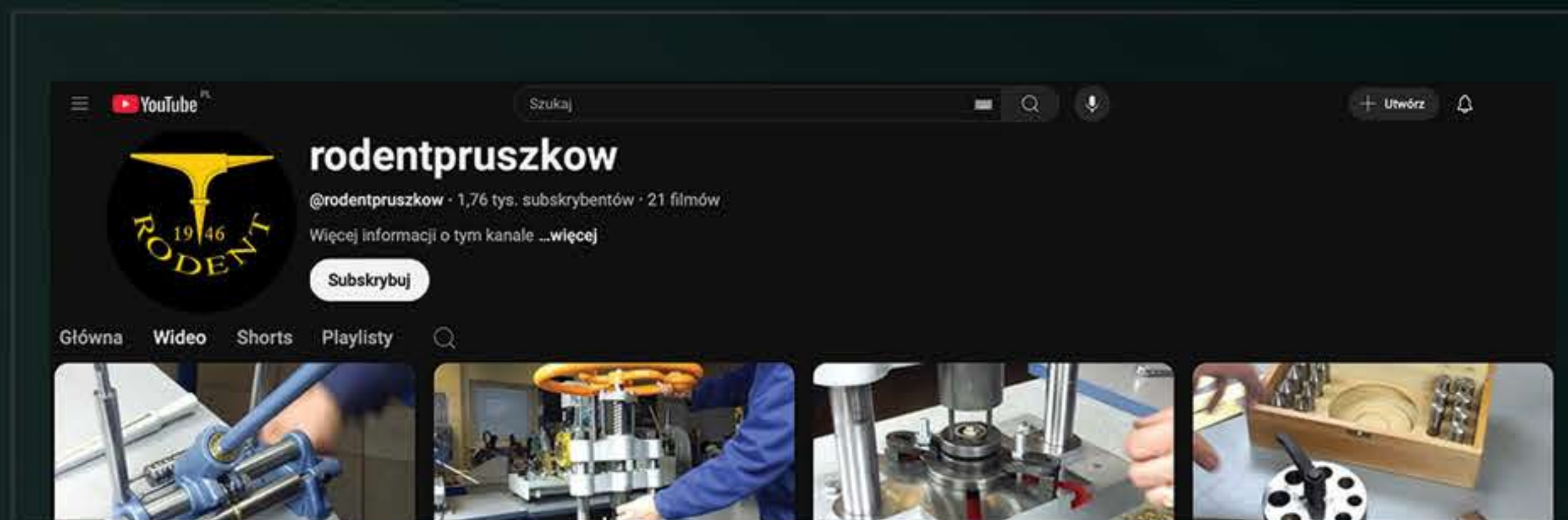
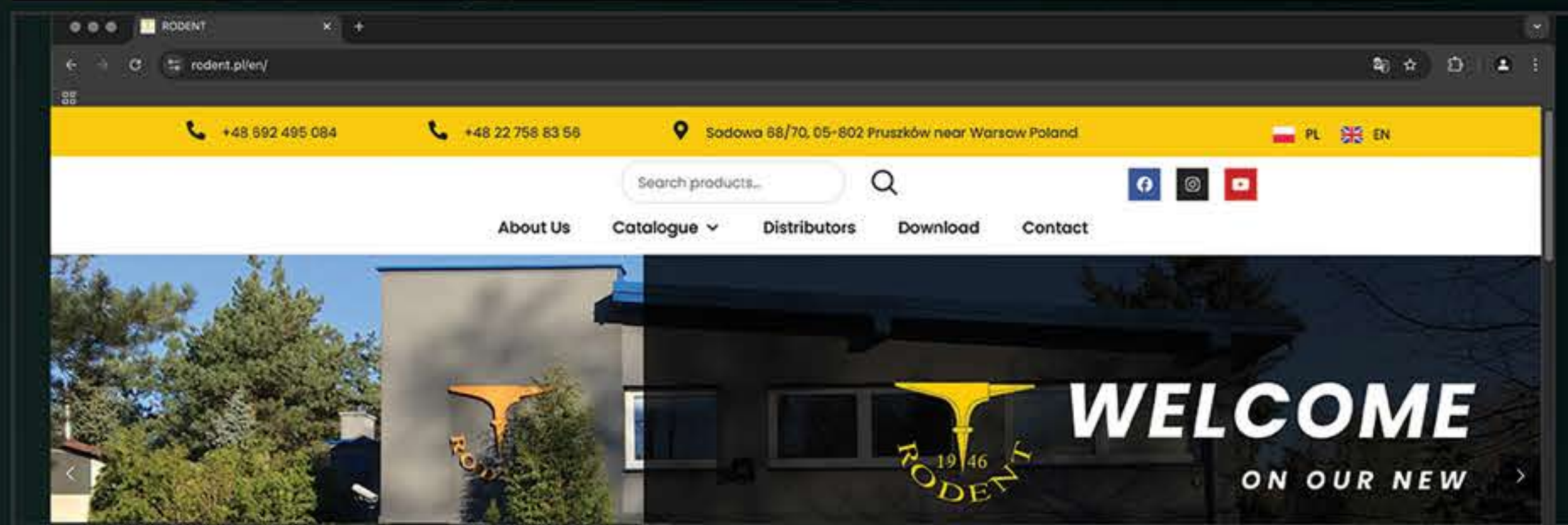


Comfort inside pin



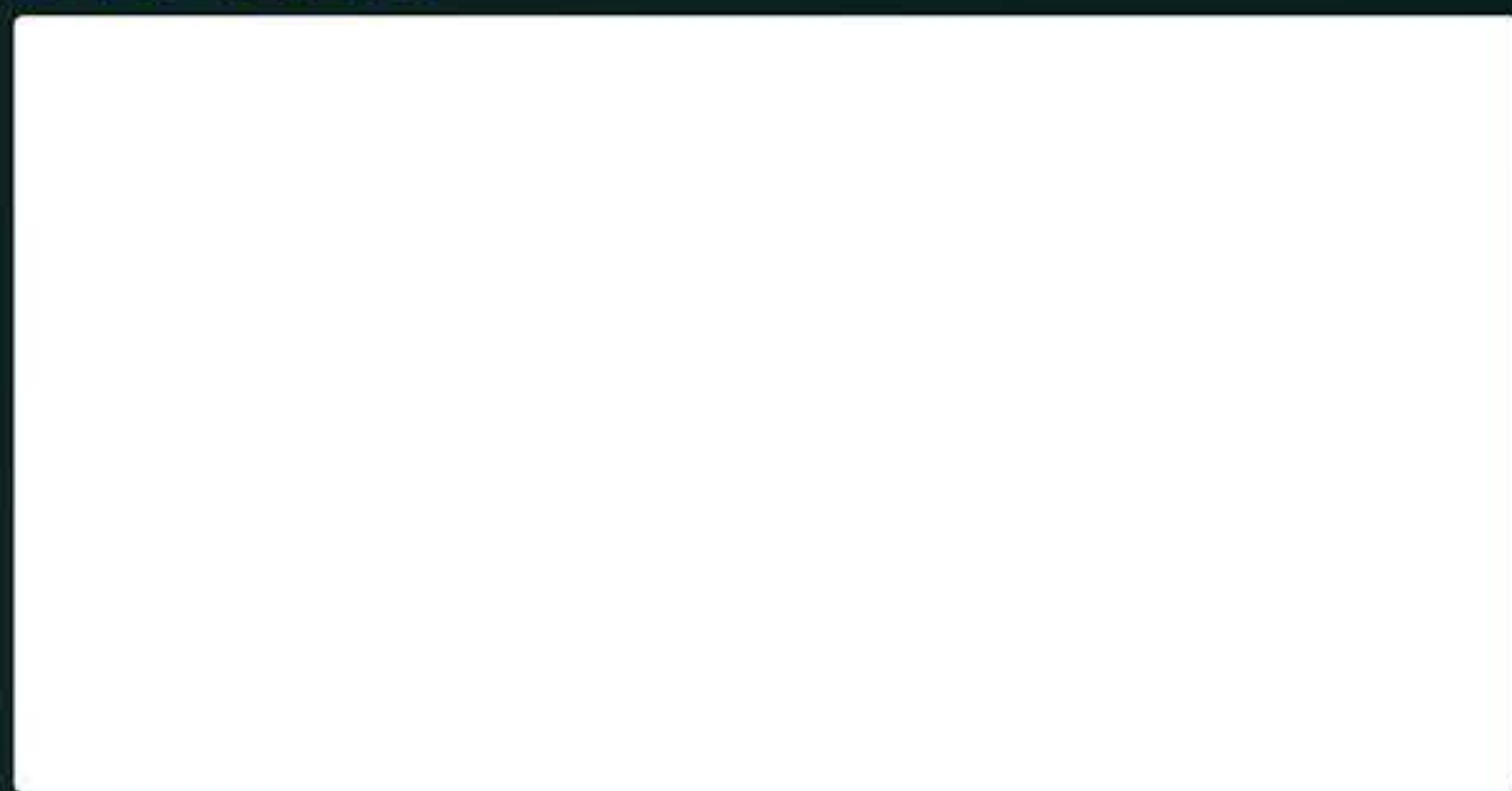
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