



**WE KNOW HOW.**

**||||| Presses**

# NOBAG / WHO?

**WE KNOW WHAT WE ARE TALKING ABOUT!**

## **HIGH-END COMPETENCE CENTER**

NOBAG develops and produces mechanical and hydraulic presses for drawing and cold forming of hollow and solid bodies of steel, aluminium and non-ferrous metals.

**COLD FORMING PRESSES**  
**AUXILIARY MACHINES**  
**TOOLING**  
**SPECIAL PRESSES**

We define ourselves as a competence center for forming technology with a focus on the production of hollow parts.

Intermediate and rework operations such as annealing, trimming, tapering and calibrating ensure economic efficiency and increase the production capacity of our customers.

**Our customers receive tailor-made solutions for their market success.**



**TALK TO US!**

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# Small calibre press portfolio

**Combined presses < 12.7 mm / machine output up to 240 pieces/min**

## Cupping Press Type NP



output up to 1'350 pieces/min

↓  
Washing, Annealing  
Pickling, Lubricating

## Draw & Trim Press Type KZP



↓  
Washing, Pickling

## Heading, Pierce & Taper Press Type KBEP



←  
Washing,  
Groove turning,  
Trimming to length,  
Degreasing

## Case Body Annealing machine Type RGM

↓  
Lubricating

## Case Neck Annealing machine Type HGM

### Key features included in machine

\*(for KZP)    \*\*(for KBEP)

- **\*Asymmetric independent strokes for each process**
- **\*Cascade principle – product only passes tooling one-way**
- **\*\*Independent strokes for each process Indenting and Heading process**
- **\*\*Double toggle lever system for indenting and heading**
- **Case transportation based on rotary tables**
- **\*\*Integrated die heating by 4th tapering station for stable shoulder length**
- **Machine can be installed on normal work floor, no foundation necessary**
- **Machine equipped with two control panels for 360° operator access**
- **Process monitoring**

***All of the process steps listed above can also be performed with single presses***

# Medium calibre press portfolio

**Single presses 12.7 - 40 mm / machine output up to 100 pieces/min**

## Draw Press Type WON 2



This press is designed for the drawing of ammunition cases made of steel or brass.

### Technical data WON 2 - 50

Press force	kN	500
Stroke	mm	500
Strokes per	min-1	30 – 50
Weight	to	11

### Technical data WON 2 - 160

Press force	kN	1,600
Stroke	mm	600
Strokes per	min-1	25
Weight	to	18

## Heading Press Type WON 3



The press is designed for heading and indenting steel or brass ammunition cases.

Any other forward or backward extrusion operations can be produced on this machine.

### Technical data WON 3 - 315

Press force	kN	3,150
Stroke	mm	320
Strokes per	min-1	30 – 50
Weight	to	20

### Technical data WON 3 - 400

Press force	kN	4,000
Stroke	mm	320
Strokes per	min-1	25
Weight	to	25

## Necking Press Type WON 4



The press is designed for the necking and calibration of ammunition cases of steel or brass.

### Technical data WON 4 - 30

Press force	kN	300
Stroke	mm	360
Strokes per	min-1	50
Weight	to	12

### Technical data WON 4 - 65

Press force	kN	650
Stroke	mm	600
Strokes per	min-1	25
Weight	to	27

**The presses listed above can also be equipped as double-row presses**

# Special related applications

## Machines for special tasks

NOBAG develops and produces machines in partnership with our customers. In this combination we contribute to your market success.

### Lead core press Type KP



Lead core presses are suitable for forming bullet cores made of lead and tin wire

The presses are horizontal eccentric presses, equipped with decoilers, wire straightening unit, wire feed unit, cutting device, tool holders and discharge device.

They deliver an outstanding product accuracy, better than +/- 5 milligrams

## Intermediate machines for the production of ammunition cases

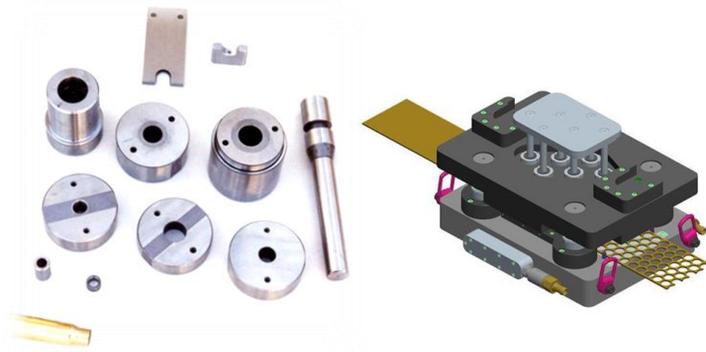
### Cut-off machine Type BSA

### Neck annealing machine Type HGM

### Case body annealing machine Type RGM



## We offer more than machines



- **State calculations**
- **Tool calculations**
- **Machine development**
- **Cleaning and annealing processes**
- **Chaining**
- **Commissioning**
- **Complete cupping - press tool block**
- **Dimensioning, tests and running-in at customer's site**

***We will give you full process support and the best service for longtime***



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