

Eurobalt Engineering OÜ  
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# Eurobalt Engineering

Subcontractor for hydraulic cylinder manufacturers

# Presentation content

## General overview

Eurobalt Engineering is a part of industrial group specializing in production of metal parts according to customers' drawings using various **technologies**:

- powder metallurgy
- aluminum die casting
- machining
- casting
- forging



Our quality management system is approved by TUV NORD.

Sales structure by country



Our head office is located in Tallinn, Estonia with branch offices in the Baltic countries and Malta. Our production facilities are located in China and India.

## Locations



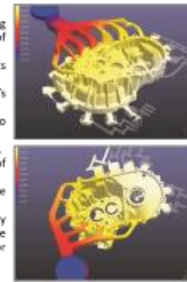
## Workshops

Workshop info		Equipment list	
Floor area	2 000 m <sup>2</sup>	Vertical CNC Machining Center (4 axis)	3
Employees	60 people	Vertical CNC Machining Center	5
Production capacity	300 000 parts per year	CNC Lathe	21
Materials	steels (including stainless steel), copper, aluminum	Taper Wire Cutting Machine	2
CNC lathe	diameter ≤300 mm, length ≤800 mm	Bench Drilling Machine	2
CNC machining center	length 1 150 mm, height 520 mm	Tapping Machine	2
Tolerances	±0,005 mm	Automatic Sizing Machine	2
		Conventional Lathe	1



## Engineering service

- 8 R&D engineers responsible for engineering solutions and technological development of parts.
- 5 quality control specialists supervising parts at different stages of production.
- Development of products according to client's requirements.
- Adjustment of drawings and 3D models to meet technical possibilities of the factory.
- Constant improvement of production process.
- Possibility of technical support at the stage of development of a new product.
- Quality control is performed according to the PPAP standards or requirements of client.
- We can optimize production process by substituting technologies in order to find the most suitable and cost-effective solutions for our clients.



## Quality control

- Quality control is provided at three levels:
- Factory quality control according to internal standards or customer's requirements.
  - Quality control by an independent inspector from the head office of Eurobalt in China (Xi'an branch).
  - Partnership with SGS company for special quality control purposes.



## Packaging

Packing of goods delivered by Eurobalt Engineering provides safety during any kind of delivery. Standard packaging includes:

- Parts are packed in boxes, separated from each other by carton trays, layer by layer.
- In case it is required, parts are packed in kraft paper and impregnated with oil for additional anti-rust protection.



## Logistics

Eurobalt Engineering has a developed logistics chain, delivering goods in time and with appropriate handling.

Delivery can be done by:

- sea transport – delivery within 35 days, starting from 90 EUR per ton
- air transport – delivery within 10 days, starting from 3 600 EUR per ton
- railway transport – delivery within 16 days, starting from 200 EUR per ton
- express delivery companies – delivery within 5 days, starting from 20 EUR per kg

Delivery can be provided as "just in time", from the Eurobalt's warehouse to client's warehouse (that is a matter for additional discussion).

## Samples



# General overview

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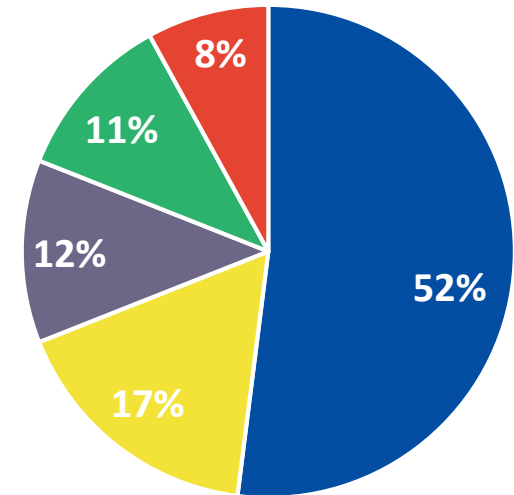
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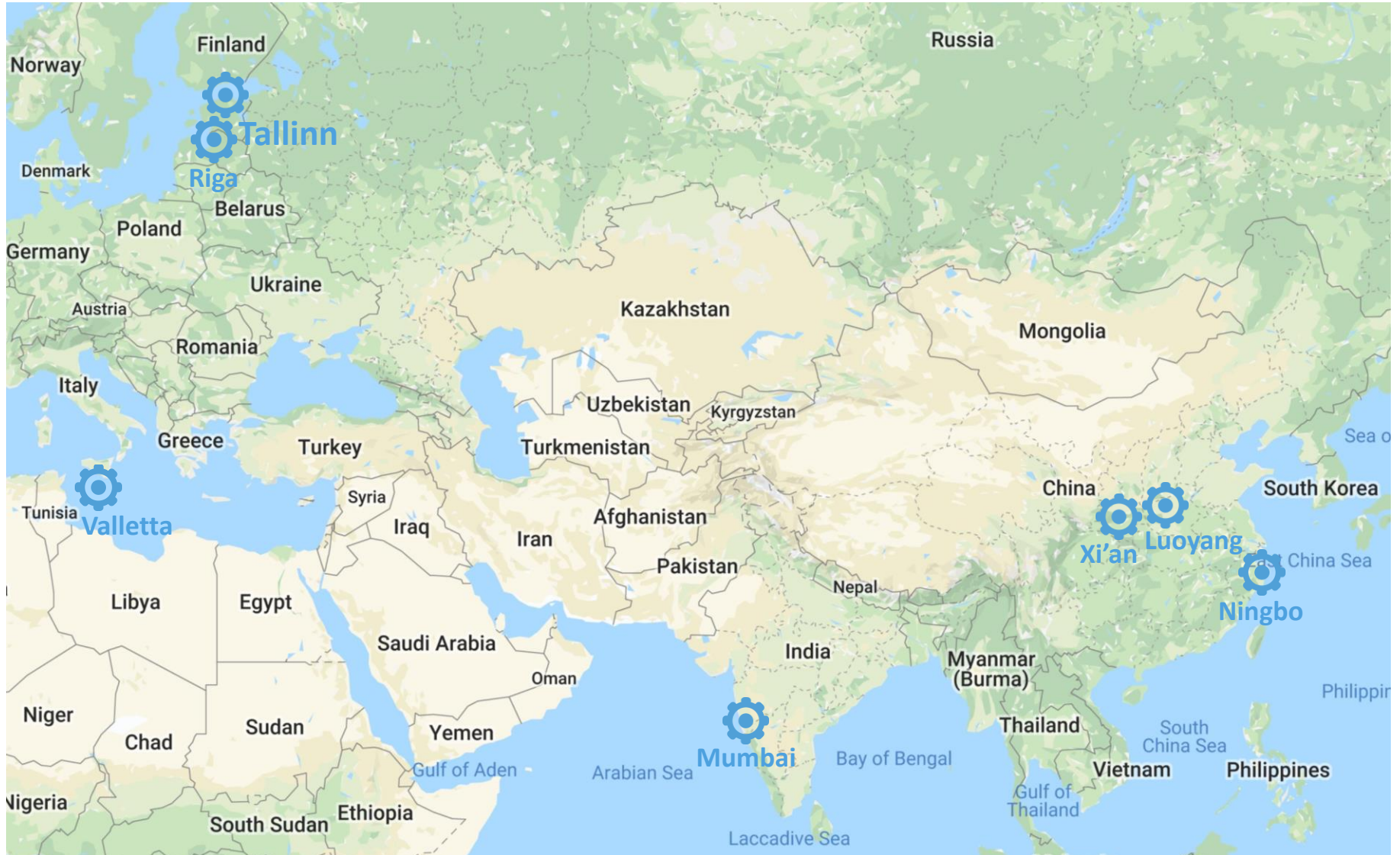
## Sales structure by country

- Germany
- Switzerland
- Canada
- Denmark
- Others



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# Locations





# Machining workshop

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Equipment list	
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Vertical CNC Machining Center	5
CNC Lathe	21
Taper Wire Cutting Machine	2
Bench Drilling Machine	2
Tapping Machine	2
Automatic Sawing Machine	2
Conventional Lathe	1



# Machining workshop





# Casting workshop

Workshop info		Equipment list	
Floor area	8 000 m <sup>2</sup>	Medium-frequency induction furnace	2
Employees	75 people	Heat treatment furnace	1
Production capacity	1 600 tons per year	Wax melting roasting furnace	1
Materials	Steels (including stainless steel)	Sand blasting machine	3
Part length	50 - 1 000 mm	Shot blasting machine	1
Part weight	0,05 - 50 kg	Shell removing machine	1
Tolerances	±1 mm	Wax injection machine	1



# Casting workshop





# Forging workshop

## Workshop info

Floor area	10 000 m <sup>2</sup>
Employees	85 people
Production capacity	10 000 tons per year
Materials	Structural steel
Part diameter	≤200 mm
Part height	≤100 mm
Part weight	<10 kg
Tolerances	±0,5 mm



## Equipment list

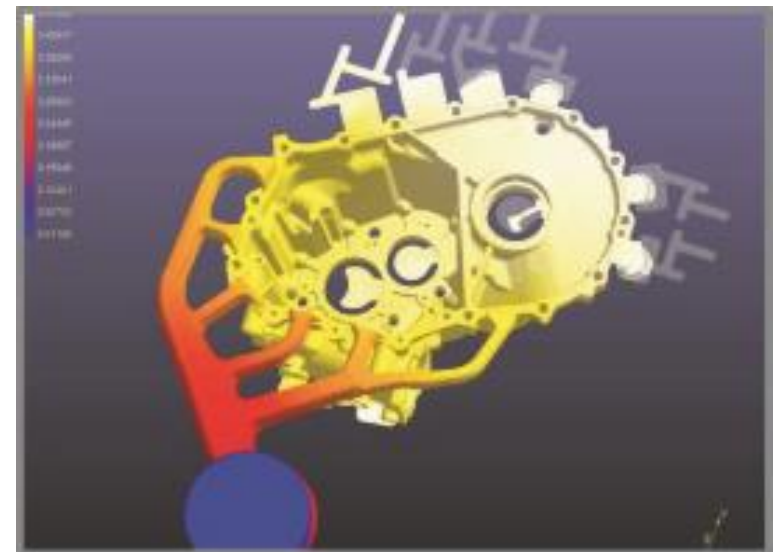
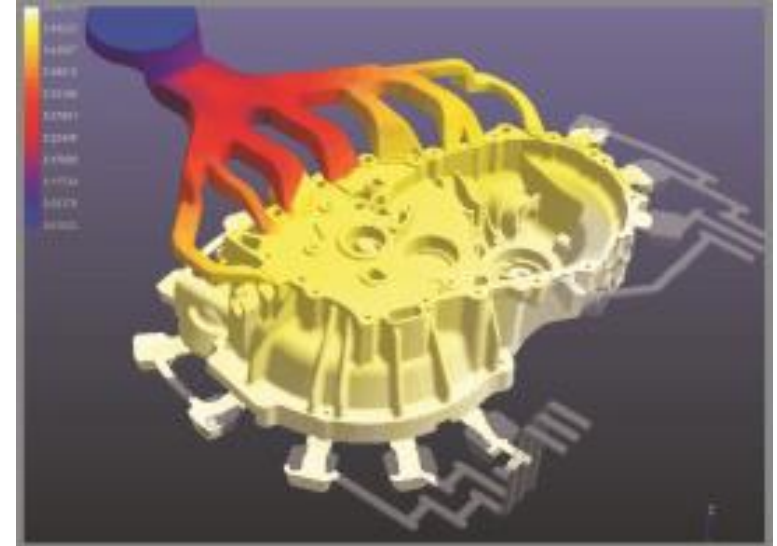
Clutch screw forging machine	2
Closed type single point forging machine	2
Closed type two points forging machine	2
150 kg pneumatic hammer	1
250 kg pneumatic hammer	2
125 t punching machine	6
1600 t friction forging machine	2
Electric induction furnace	4
Traveling crane	4
Round bar cutting machine	3
Circular sawing machine	1
Band sawing machine	4
CNC machining center	2
CNC lathe	1
Conventional lathe	3
Radial drilling machine	1

# Forging workshop



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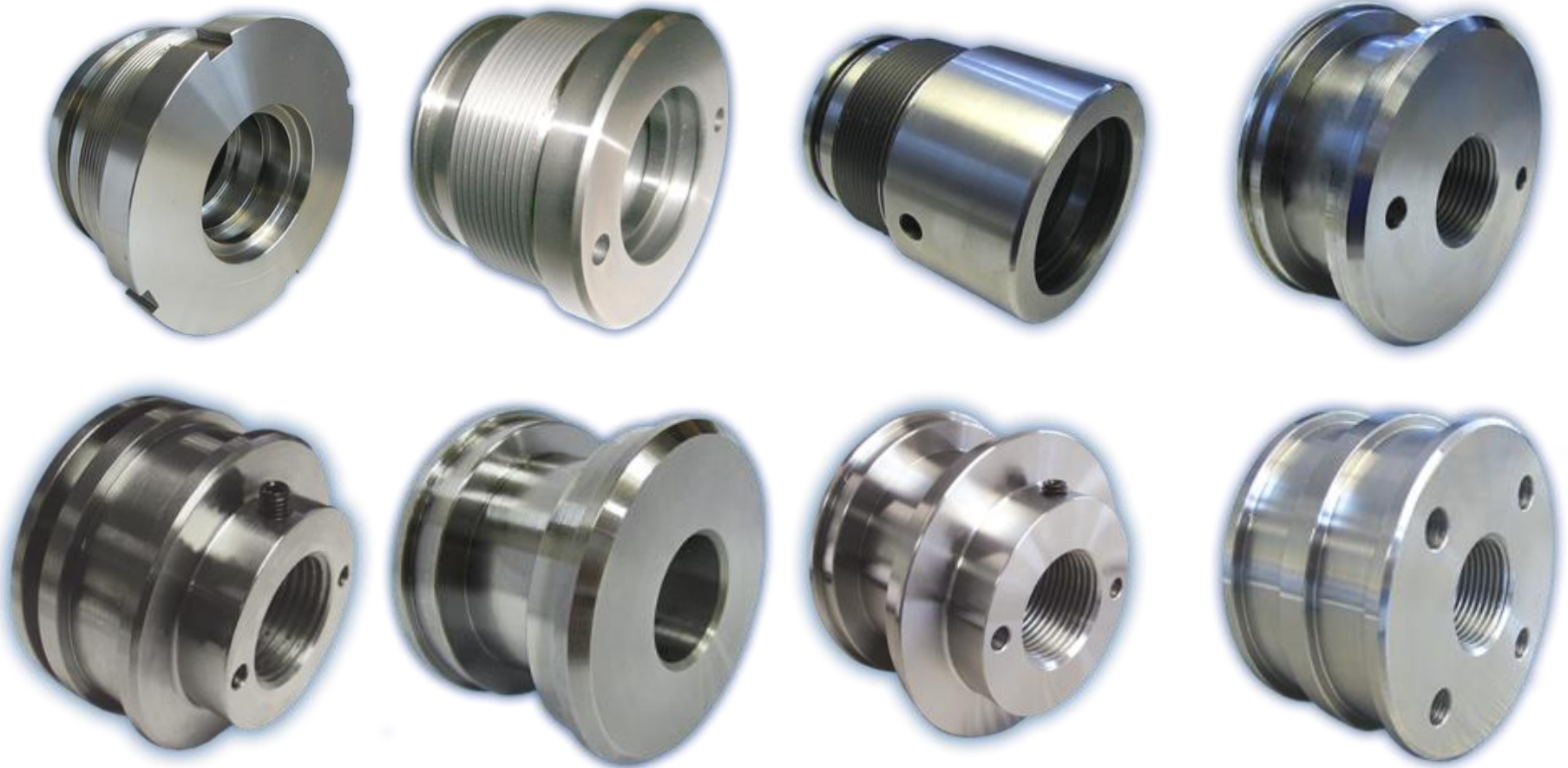
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# Samples



# Samples



You can find more information on our website:

[eurobalt.net](http://eurobalt.net) › Manufacturing ›  
Hydraulic cylinder parts › Cylinder parts

Thank you for your attention!