

Eurobalt Engineering OÜ
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Eurobalt Engineering Workshops and technologies

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

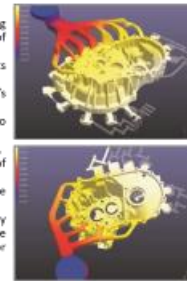


Workshops

Workshop info		Equipment list	
Floor area	32 000 m ²	Hydraulic press	13
Employees	85 people	Automatic powder press	8
Production capacity	20 000 000 parts per year	Mechanical presses	9
Materials	structural steel, stainless steel, copper-based materials	Mech belt furnace	1
Part weight	0,003 – 1 kg	Pusher furnace	1
		Steam boiler	1
		Reheating machine	4
		Grinding machine	9
		Lathe	4
		Radial drill	2
		Coining equipment	4
		Automatic lathe	5
		CNC machine center	3
		Wire-electrode cutting	

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

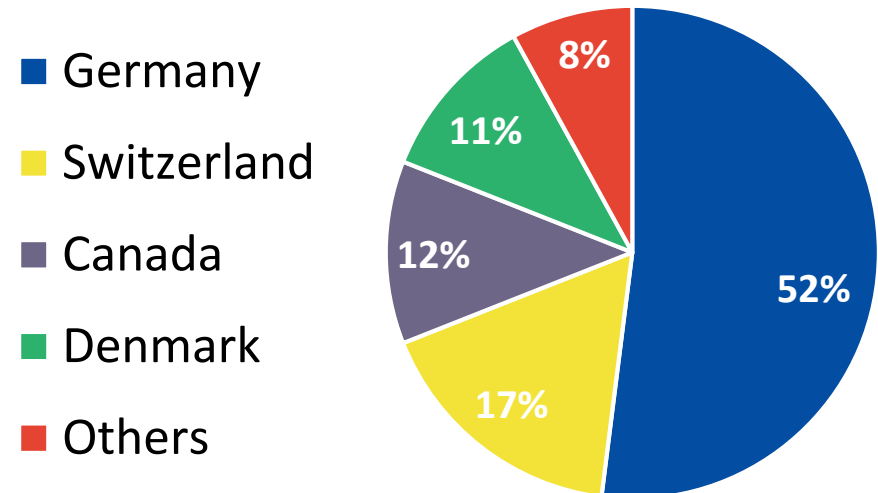
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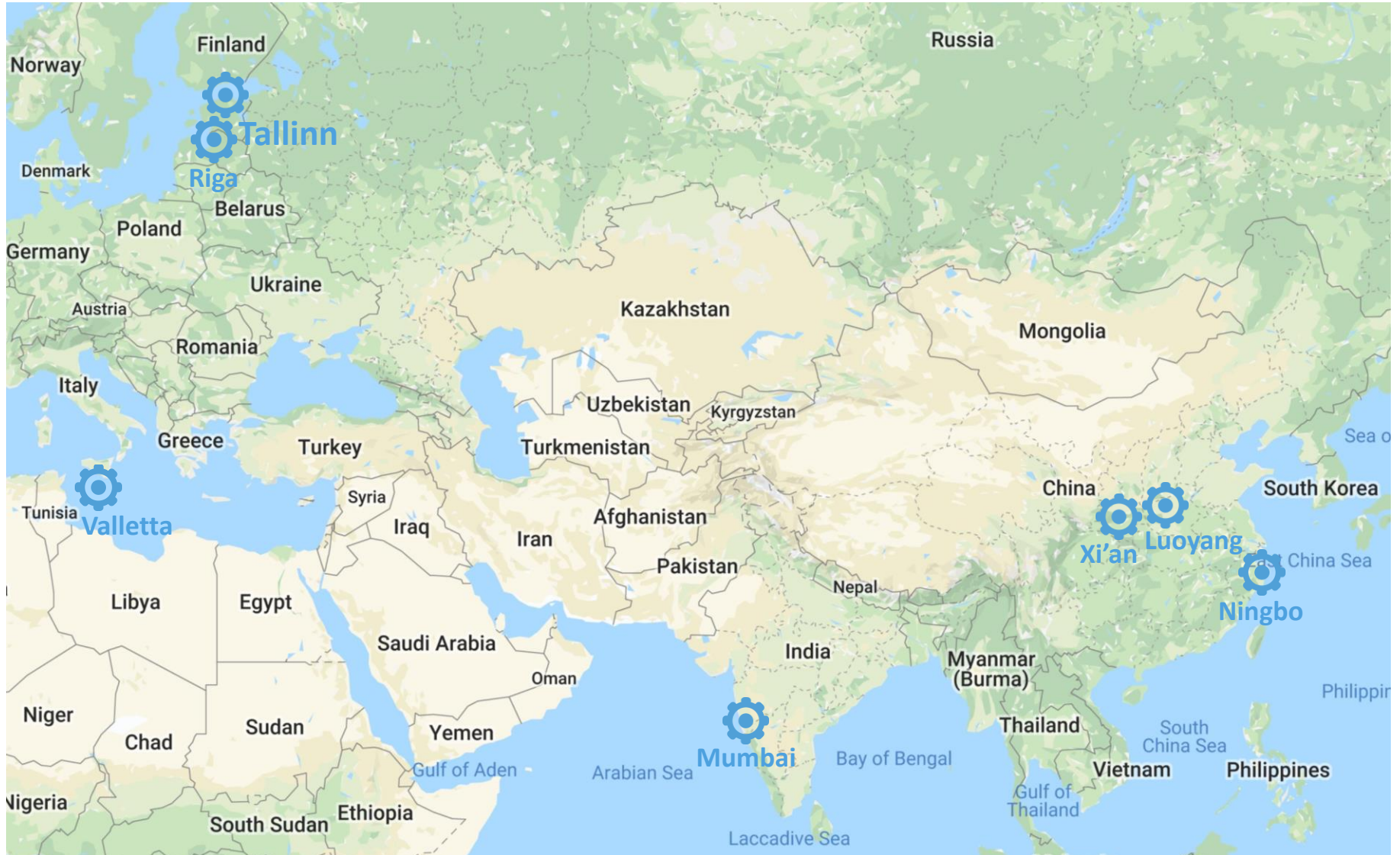
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Sintering workshop

Workshop info

Floor area	32 000 m ²
Employees	85 people
Production capacity	20 000 000 parts per year
Materials	structural steel, stainless steel, copper-based materials
Part weigh	0,003 – 1 kg

Equipment list

Hydraulic press	13
Automatic powder press	8
Mechanical presses	9
Mesh belt furnace	1
Pusher furnace	1
Steam boiler	1
Hacksawing machine	1
Grinding machine	4
Lathe	9
Radial drill	4
Coining equipment	2
Automatic lathe	4
CNC machine center	5
Wire-electrode cutting	3



Die casting workshop

Workshop info

Floor area	12 000 m ²
Employees	120 people
Production capacity	5 000 tons per year
Materials	aluminum and zinc alloys
Part weight	0,03 – 12 kg

Equipment list

Electrical discharge machine	8
CNC Machines	13
WEDM	10
Slow WEDM	2
Milling CNC machines	5
Radial drilling machines	5
Die spotting machine	1
Grinder	2
Lathe machines	2
Milling machines	2
Die casting machines	5
Drilling machines	3
Polishing machines	2
Shot blasting machine	1
Quality control CMM machine	1



Machining workshop

Workshop info	
Floor area	2 000 m ²
Employees	60 people
Production capacity	300 000 parts per year
Materials	steels (including stainless steel), copper, aluminum
CNC lathe	diameter ≤300 mm, length ≤800 mm
CNC machining center	length 1 150 mm, height 520 mm
Tolerances	±0,005 mm

Equipment list	
Vertical CNC Machining Center (4 axis)	3
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	
Floor area	8 000 m ²
Employees	75 people
Production capacity	1 600 tons per year
Materials	Steels (including stainless steel)
Part length	50 - 1 000 mm
Part weight	0,05 - 50 kg
Tolerances	±1 mm

Equipment list	
Medium-frequency induction furnace	2
Heat treatment furnace	1
Wax melting roasting furnace	1
Sand blasting machine	3
Shot blasting machine	1
Shell removing machine	1
Wax injection machine	1



Casting workshop



Forging workshop

Workshop info

Floor area	10 000 m ²
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

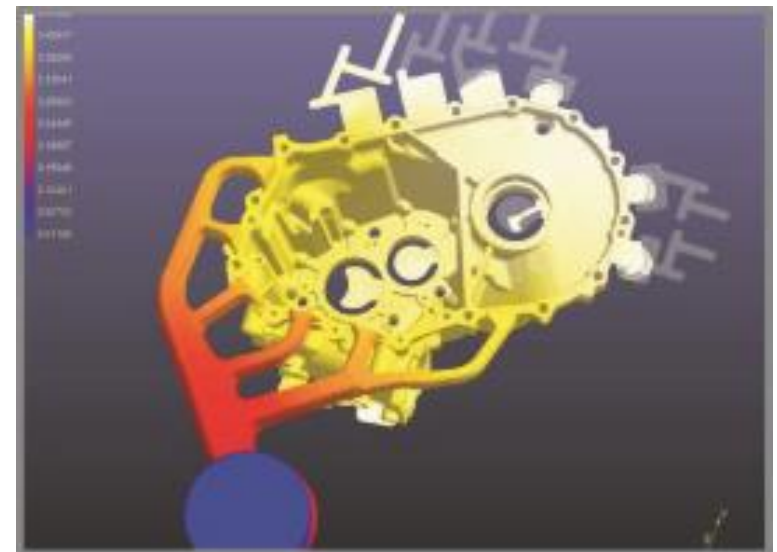
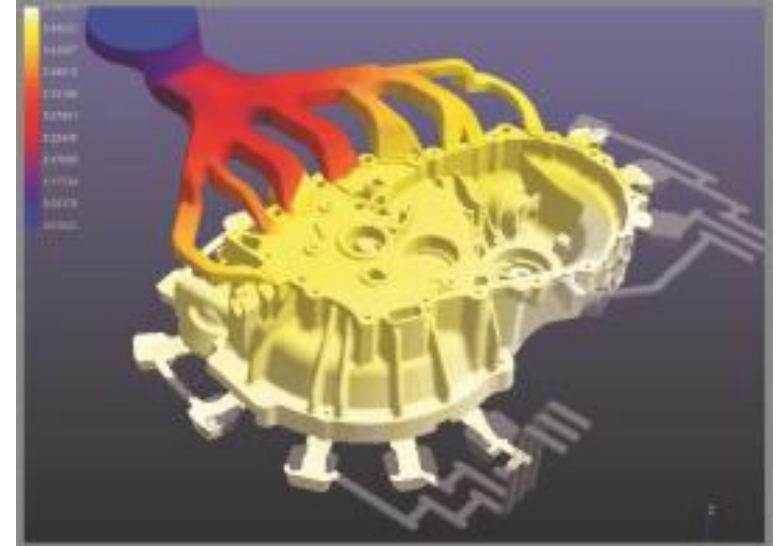
Clutch screw forging machine	2
Closed type single point forging machine	2
Closed type two points forging machine	2
150 kg pneumatic hammer	1
250 kg pneumatic hammer	2
125 t punching machine	6
1600 t friction forging machine	2
Electric induction furnace	4
Traveling crane	4
Round bar cutting machine	3
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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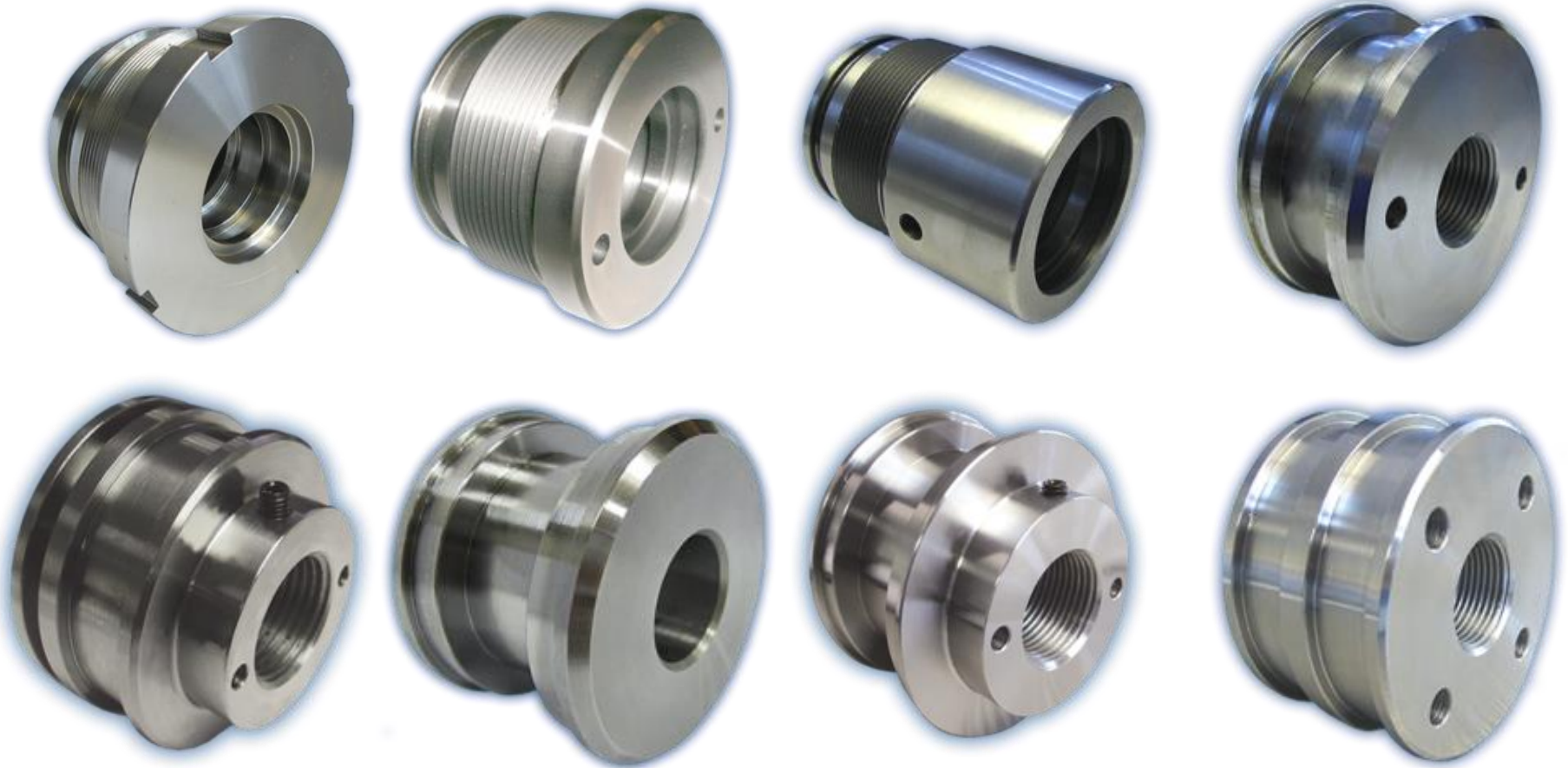
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You can find more information on our website:

eurobalt.net › Manufacturing

Thank you for your attention!