

STEEL CASTINGS



"Jelšingrad Livar" steel foundry a.d. Banja Luka



LIVAR
Jelšingrad

PRODUCTION CAPACITIES



Melting shop

- * 2 electric -arc furnaces, capacity of each of them is 5 t
- * 2 induction furnaces with capacity each of them is 3.5 t
- * 1 induction furnace with the capacity of 1 t
- * 1 induction furnace with the capacity of 0.5 t



Molding shop

- * 2 semi-automatic lines (600x500x400)
- * 1 semi-automatic line (1.000x800x700)
- * Manual molding up to 5 t/pcs



Cleaning room

- * 3 shot blasting machines
- * Grinding and welding machines



Heat treatment

- * Chamber furnace (4.000x2.900x1.700 mm), 1.100 °C, computer guided (loaded)
- * Chamber furnace (3.660x2.000x1.100 mm), 1.100 °C
- * Chamber furnace (4.800x2.700x1.200 mm) with traction and 2 cars, 950 °C
- * Chamber furnace KPK-300, (4.150x3.100x1.500 mm), 900 °C
- * Pools for quenching and tempering in oil and water with volume V=16m³



Machining of castings

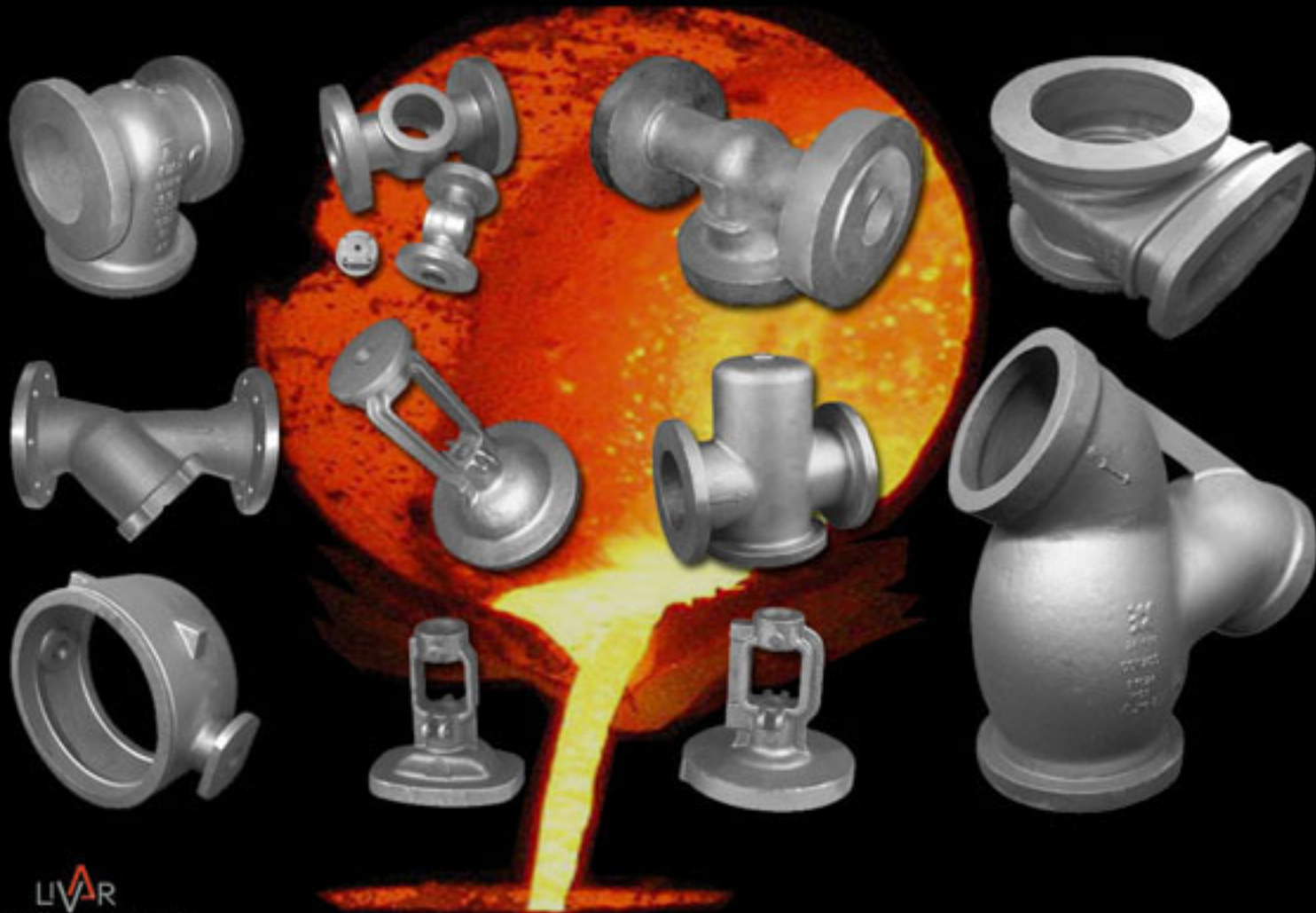
- * 8 turning machines
- * 6 Karusel, maximal diameter 2.500 mm, max height 1.600 mm
- * 2 Borwerk, spinning table max 1.800x1.600 mm
- * 3 milling machines
- * 1 radial grinder
- * 1 grinder for flat grinding, 800x320x400 mm
- * 1 grinder for round grinding, 400x1.000 mm
- * 1 slotter maximal movement 800 mm, maximal height of the piece 650 mm
- * 2 metal saws, maximal diameter 350 mm.



Control Department

- * Optical emission spectroscopy
- * Impact test machine
- * Tensile test machine
- * Hardness test machine
- * Magnetic particle equipments (wet and dry method)
- * Ultrasonic test equipment
- * Radiographic test equipment
- * Metallographic test equipment

PROGRAM OF VALVES and SLIDERS



LIVAR
Jelšingrad

TYPE OF VALVES:

Gate valves, Globe Valves, "Y" Strainers, Ring Valves, Butterfly Valves, Pressure Sealed Valves. Weight of 5 kg to 5000 kg.

MATERIALS THAT ARE USED FOR PRODUCTION ARE ACCORDING TO STANDARDS:

ASTM A 216, ASTM A 217, ASTM A 351, Others.

THE QUALITY CONTROLL ARE MADE ACCORDING TO:

EN 10204, EN 12680-1 and 12680-2, EN 1369, EN 12454 AND MSS SP 55, EN 12881



PROGRAM OF RAIL and TRAIN CONSTRUCTIONS



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PRODUCTS:

Axle guards, Couplers, Yokes, Plates, Supports, Housings and parts of housings.

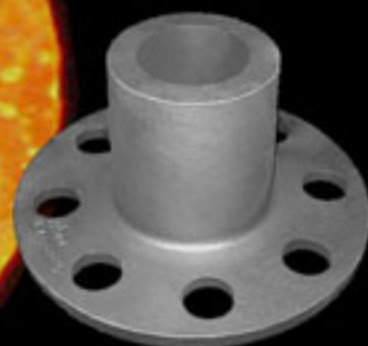
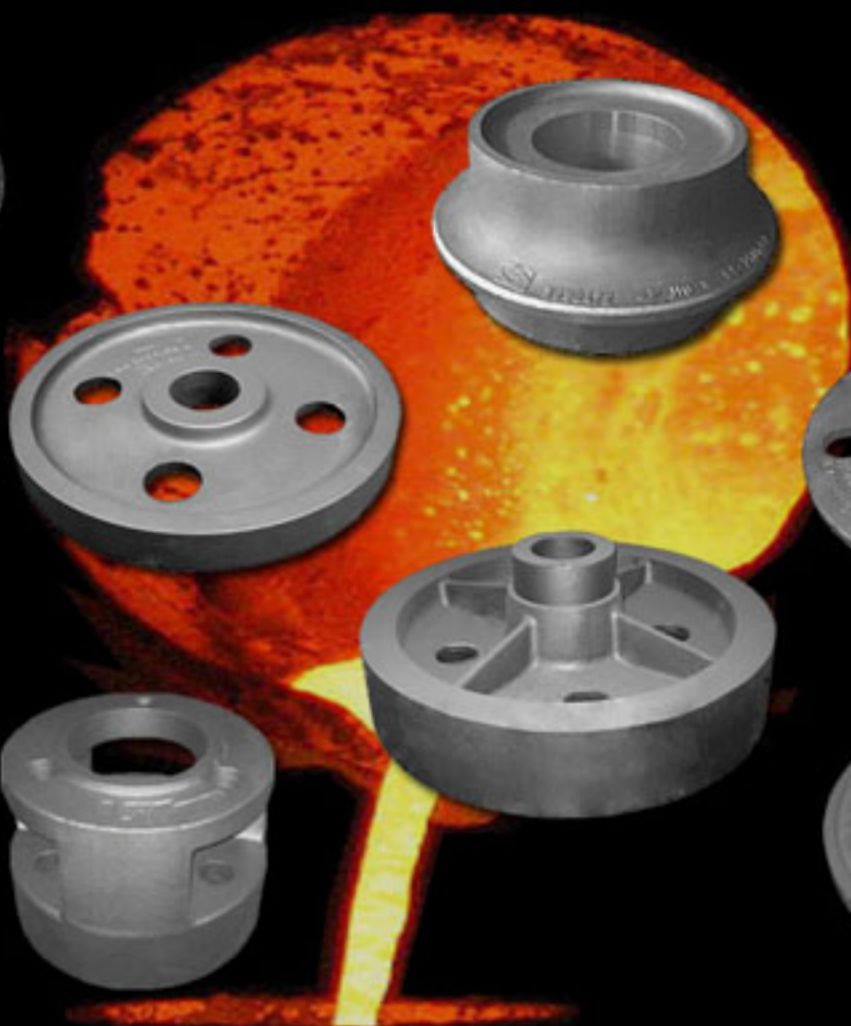
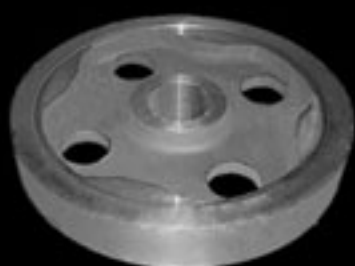
MATERIALS THAT ARE USED FOR PRODUCTION ARE ACCORDING TO STANDARDS:

SEW 520, EN 10213-2, UIC 840-2, Others.

THE QUALITY CONTROLL ARE MADE ACCORDING TO:

EN 10204, EN 12680-1 and 12680-2, EN 1369, EN 12454 AND MSS SP 55, EN 12881

PROGRAM OF OIL INDUSTRY and SHIPBUILDING



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PRODUCTS:

Satellites, Wheels, Covers, Sleeves.

MATERIALS THAT ARE USED FOR PRODUCTION ARE ACCORDING TO STANDARDS:

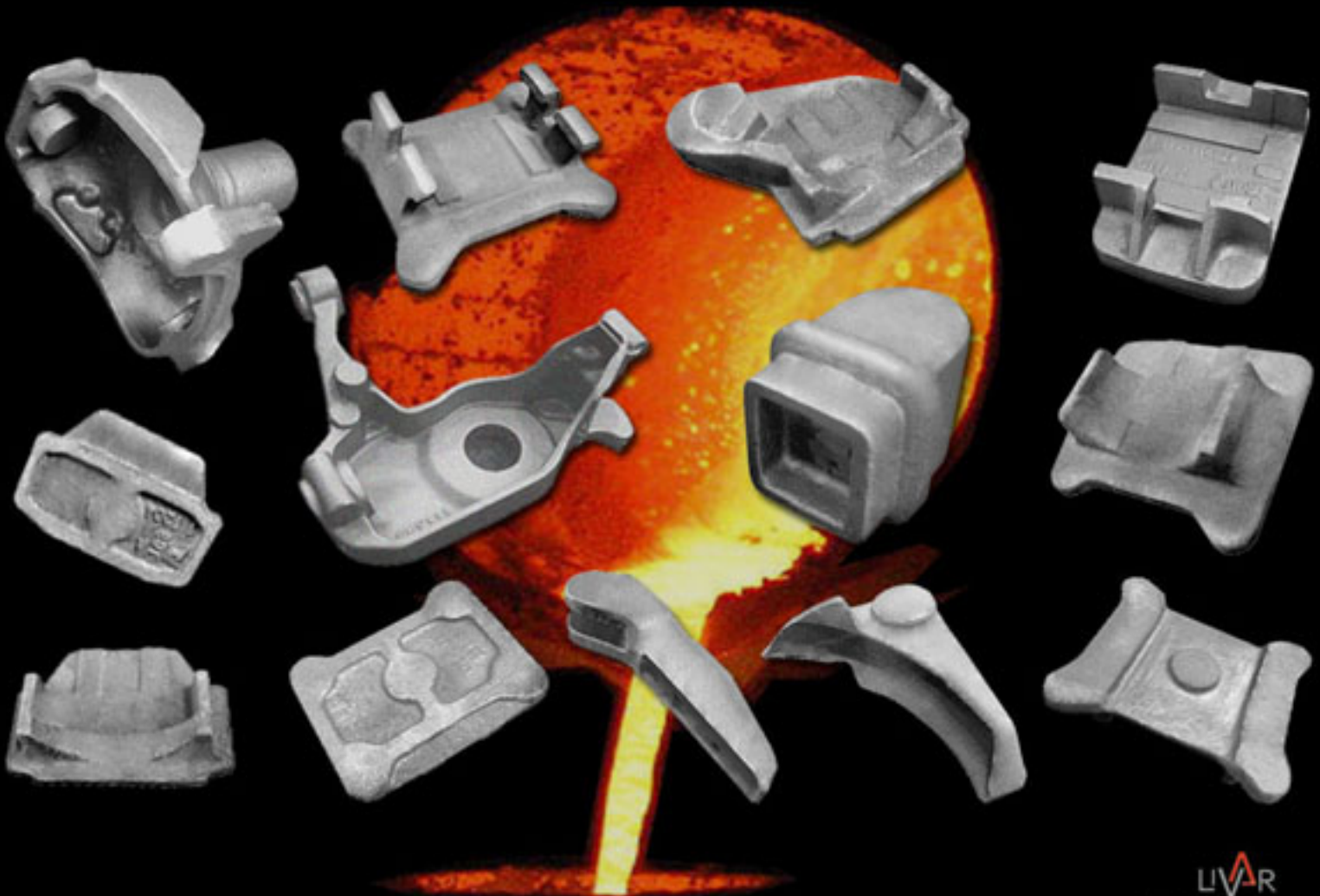
EN 10293, SEW 520

THE QUALITY CONTROLL ARE MADE ACCORDING TO:

EN 10204, EN 12680-1 and 12680-2, EN 1369, EN 12454 AND MSS SP 55, EN 571 - 1



PROGRAM OF AUTOMOTIVE INDUSTRY



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PRODUCTS:

Various type of knuckle, Various types plates.

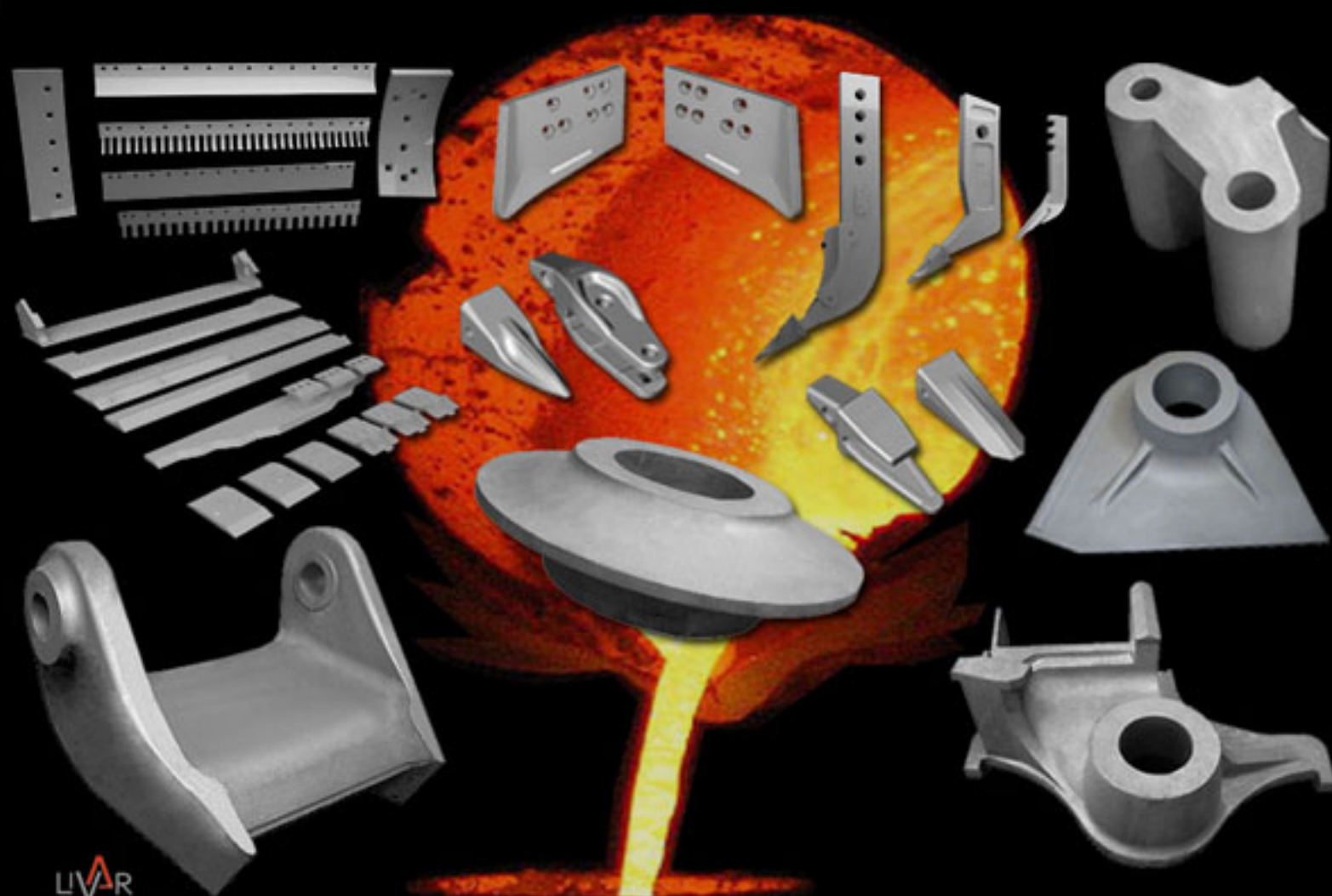
MATERIALS THAT ARE USED FOR PRODUCTION ARE ACCORDING TO STANDARD:

SEW 520

THE QUALITY CONTROLL ARE MADE ACCORDING TO:

EN 10204, EN 12680-1 and 12680-2, EN 1369, EN 12454 AND MSS SP 55, EN 12881

PROGRAM OF BUILDING CONSTRUCTION



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PRODUCTS:

Parts for various type of excavators, mills and crushers, spare parts of building constructions and machinery.

MATERIALS THAT ARE USED FOR PRODUCTION ARE ACCORDING TO STANDARD:

EN 10293

THE QUALITY CONTROLL ARE MADE ACCORDING TO:

EN 10204, EN 12680-1 and 12680-2, EN 1369, EN 12454 AND MSS SP 55, EN 12881

CARBON STEEL FOR GENERAL PURPOSE
CARBON STEEL WITH GUARANTEED CHEMICAL COMPOSITION
CHROM ALLOYED STEEL RESISTANT TO WEARING
CHROM MOLIBDENUM ALLOYED STEEL
FIRE RESISTANT STEEL
VARIOUS TYPE HIGH ALLOYED STEEL
STAINLESS AND CHEMICAL RESISTANT STEEL



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