Aleea 3 Drumul Apelor nr. 11
200453 Craiova Romania

History

30 years ago, in 1991, established in a small workshop with just 3 employees and a few refurbished machines, company began its activity by repairing automotive parts and subassemblies.

The repairing activity consisted of:

- rectifiying crankshafts;
- reconditioning cylinder heads;
- engineblock tree line corrections;
- also weldings for aluminum, stainless steel or cast iron parts.

Foundry activity, started in 2002, and it have been devloped from simple gray iron castings to complex nodular iron and alloyed-steel castings.

In 2005 company's system is authorized ISO9001, quality accreditation that it is maintained and updated continuously.

SRAC
Certificat Nr.3499
ISO 9001

CERTIFIED
IQNet
MANAGEMENT SYSTEM

In 2006, the activity of mechanical processing is developed; there are brought the first CNC machines

TWO TURNING CENTERS AND ONE MILLING UNIT

Castings and machined parts production increased by making spare parts for agricultural equipment

From 2008 production was diversified to superior sectors, like manufacturing of castings and machined parts for:

1- the industry of electric generators

2- hydraulic equipments industry

3- electric motors and machines industry

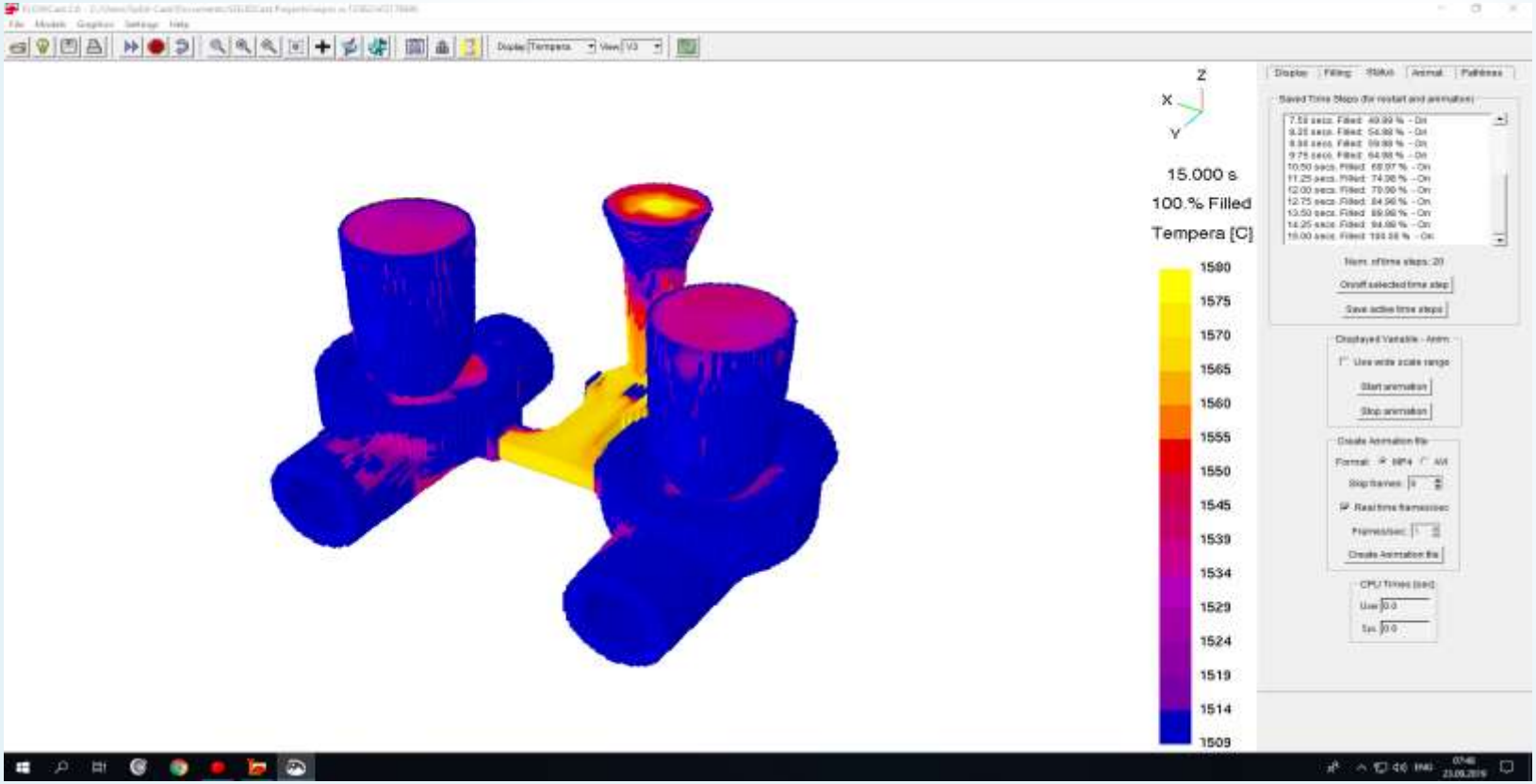
4- the water valve industry

Current Foundry Capabilties

1. FURNACES

- Casting capacities of 600 tons of parts / year
- Two induction furnaces of 0.5 tons each

2. DESIGNING THE CASTING TECHONLOGY (network, feeds, raisers, etc) with SOLIDCAST software



3. MOLDING

NO-BAKE technology chemical hardening based furanic resin

Capabilities up to:
- **850 mm diameter**
- **weight of 250 kg**

Molding furan-based resins provides superior quality of the surfaces of the mold and the regeneration of this mixture allows the sand to be reused, providing a cleaner working environment.

IMPIANTI MACCHINE FONDERIA

Mold assembly line

Pouring from furnace

4. QUALITY ASSURANCE
traceability of the castings

1 parts are identified according to the batches they have been poured from;
2 determining chemical composition – spectrometer;
3 registerng the melting, nodularizing and casting temperatures;
4 analysis of the metallographic structure;
5 determining mechanical characteristics (resistance to breakage, flow and elongation, charpy test, hardness etc.);

BRUKER

MECHANICAL TESTING LABORATORY

Tensile test

Hardness check

Charpy test

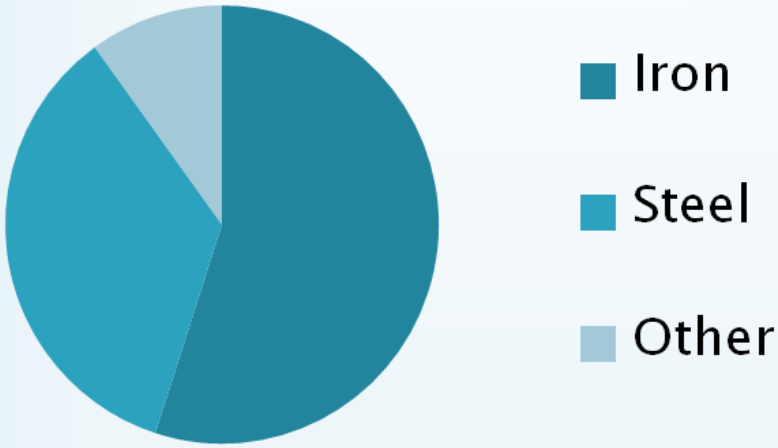
5. TWO SHOTBLASTING INSTALLATIONS

(with rotary hook)

6. THREE HEAT TREATMENT FURNACES

- Normalization
- Stress relieving
- Feritizing

Machining department

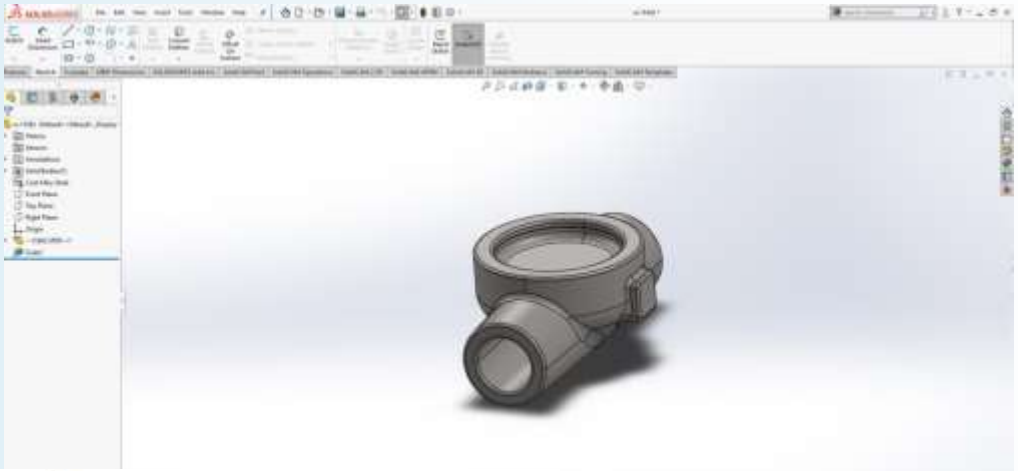


- Finshed products out of castings or laminated semi-products are done on machines with numerical control and CNC centers;
- The technological preparation of the semi-products is performed on universal machine tools;
- Machining depatamaent also performs operations of flat and round grinding, boring, honing on specialized machines.

CNC plasma /oxygen cutting machine

- the size of the cutting board : 2500 X 6000mm
- cutting depth : oxi: 200mm; plasma: 40mm

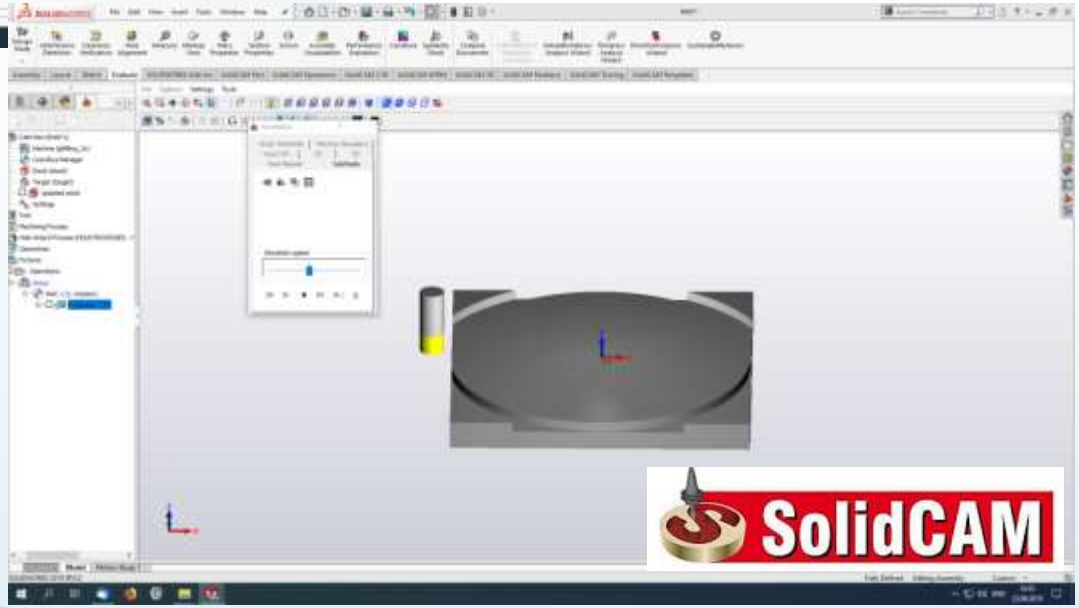
DESIGNING THE MACHINING TECHONLOGY



RECOND

S.C.
OLTEANU-IGNATOVICI
S.R.L.

SOLIDWORKS



Milling

Turning

Drilling

Four Horizontal Turning Centers Doosan Puma 400

- Turning possibilities:

- L_{max}= 950 mm
- $Ø_{max}$= 680 mm

Three Vertical Milling Centers Hwacheon Vesta 1050 B

- Working length :

Axa X: 1050 mm

Axa Y: 610 mm

Axa Z: 610 mm

Two Vertical Turninig Centers Hwacheon VT650R

- Turning up to a maximum diameter of 850 mm, with the possibility of drilling and threading (axis C)

YOU-JI Vertical Turning

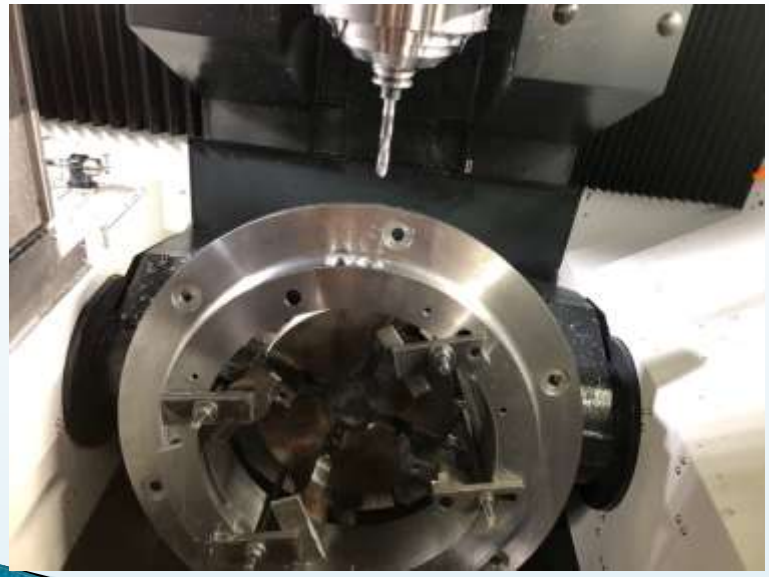
milling / drilling possibilities (axis C)

dimensions between (800 – 1200) mm diameter

CNC Vertical Center with 5 axes

DOOSAN VC630/5AX

stroke dimensions
X=650; Y=765; Z=520;
A=1500; C=3600



Technical Quality Control

- The dimensional control of the parts is done both using conventional measuring and control devices, as well as with the 600 mm electronic TESA altimeter, two FARO measuring arms in 3D coordinates up to 650 mm.

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Automatic measuring machine in 3D coordinates

field of measurement:
1000 x 1600 x 800 mm

*micorn precision

We are permanently concerned with diversification and development...

Year by year new investments are made in human resources, machineries, installations and production areas.

Lately, in 2020, the company was authorized as feroviar supplier with

S.C. OLTEANU-IGNATOVICI S.R.L.

New investments

FARO

SMEC
Samsung Machine Engineering Company

MECO MACHINES

währ

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Current parts developed by our company:

Supported industries

Our company seeks to improve its base production, devolping a high level of quality in order to satisfy our customer requests from European Union and beyond...