# The services we can offer.

What the result of our work looks like.

# *Who are we?*

- ***More than 15 years experience***

  *design, welding, laser cutting, sheet bending, punching, turning, milling, polishing;*

- ***Annual turnover of € 1,5M - € 2M***

  *we are working with many clients from Bulgaria and Europe;*

- ***Between 16 – 18 employees***

  *mechanical engineers, certified welders, skilled machine operators and programmers;*

- ***More than 1000 m2 working area***

  *we have tools and equipment of the highest class for high quality;*

- ***Precise CNC machines***

  *5 CNC tunning and milling machines, 1 fiber laser for sheet and tubes, 1 CNC bending machine, 1 CNC Punching machine, 6 TIG/MMA/Laser welding machines.*

# *Our work process*

01



## Organize a meeting

***Discus the client requirements.***

02



## Prepare a quotation

***We present a clear and understandable offer.***

03



## Sign a contract

***With the contract, we guarantee the requirements of both parties..***

04



## We are moving into production

***We make the order within the agreed time.***

05



## Quality control

***We conduct all necessary tests.***

06



## Delivering

***Finally, all we have to do is deliver your order.***

# *Certification*

*The company is*

- ***ISO 9001:2015***
- ***EN 1090-2***

*certified, and all work processes are carried out according to all international standards.*








# *Laser cutting*

***Types of material*** *– sheet metal and tube;*

***Machine:***

- *HSG G3015 Fiber Laser – 6000 W*

***Maximum thickness:***

- *Carbon steel - 0.5mm - 25mm;*
- *Stainless steel – 0.5mm - 15mm;*
- *Aluminum – 0.5mm - 10mm;*
- *Brass – 0.5mm – 10mm;*

***Sheet size -*** *3000mm x 1500mm*

***Tube size*** *– all standard types profiles and tubes from 15x15 to 135x135mm*






# *Punching*

***Machine:***

- *TRUMPF TrueMatic 180L*

***Maximum thickness:***

- *Carbon steel up to 4mm;*
- *Stainless steel up to 3mm;*
- *Aluminum up to 6mm;*
- *Brass up to 5mm*

***Maximum size -*** *3000mm x 1500mm*

***A wide variety of instrumental equipment***





# *Sheet metal bending*

***Machine:***

- *Hammerle BM100 – 100 t, 6 – axes.*

***Maximum size:***

- *Length – max 3000mm*
- *Depth – max 500mm*

*3 point bending – precise technology*

***A variety of tool equipment.***






# Welding

***Types of parts*** *– frames, tubes, body parts, faceplates and others*

*Process (code):*

- *TIG (141);*
- *MIG (131);*
- *ARC (786);*
- *Spot welding (21);*
- *Laser welding.*

***Machines:***

- *EVM Tetrix XQ 300 puls DC Expert 3.0*
- *DELTECH TIG AC/DC - 300A;*
- *CITOWAVE MXW 500 – 500A;*
- *Gala Spot 50.*

***Maximum size of parts*** *≈ 6000mm x 5000mm*












# CNC Milling

*Machines:*

*Mikron C1000*

- *Work table 1000x600 mm;*
- *4-th rotating axis;*

*Cincinati Milakron A1000*

- *Work table 1000x600 mm;*
- *4-th rotating axis;*






# CNC струговане

*Machines:*

*CMZ TA-20-YS-640 – 1 бр*

- *Max size of part - Ф 300мм, L - 600mm;*
- *Subspindle and Y axis;*
- *Live tools;*

*HARRIS C400k – 1 бр*

- *Max size of part - Ф 160мм, L - 400mm;*
- *Live tools;*

*СП 161 – 1 бр*

- *Max size of part - Ф 160мм, L - 200mm;*








# *Fasteners*

***We can install all types of clinched and welded fasteners.***

***We have 2 machines for clunching and 1 machine for welding fasteners***



# *Finishing*

***Powder coating** – RAL colours;*

***Blasting –** min 0,02mm*

***Brushing -** (1.2 Ra µm/47 Ra µin)*

***Mechanical polishing** – овn process*

***Anodizing** – all types;*

***Zinc coating** – hot and cold;*

***Oxidizeing;***







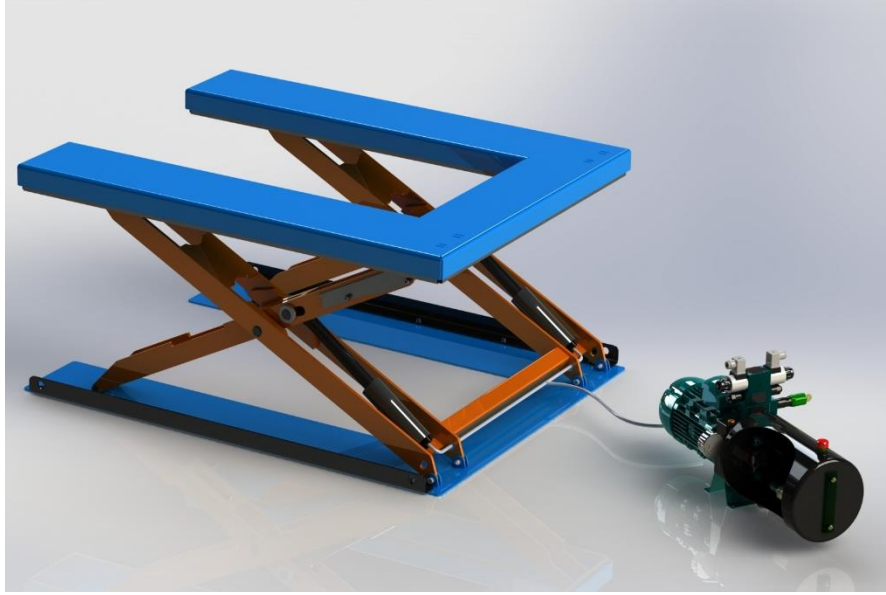


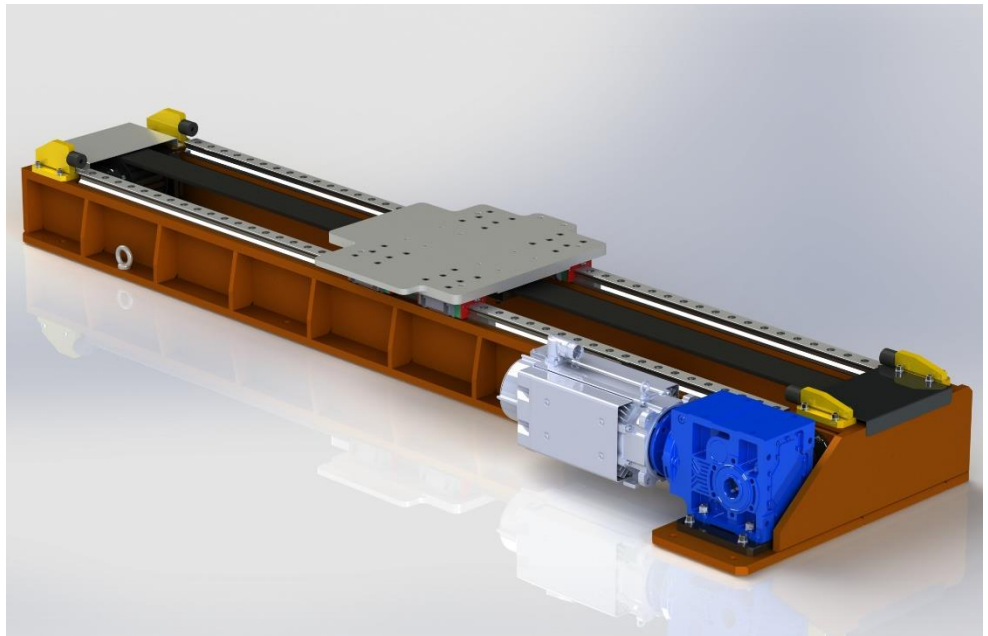
# Engineering

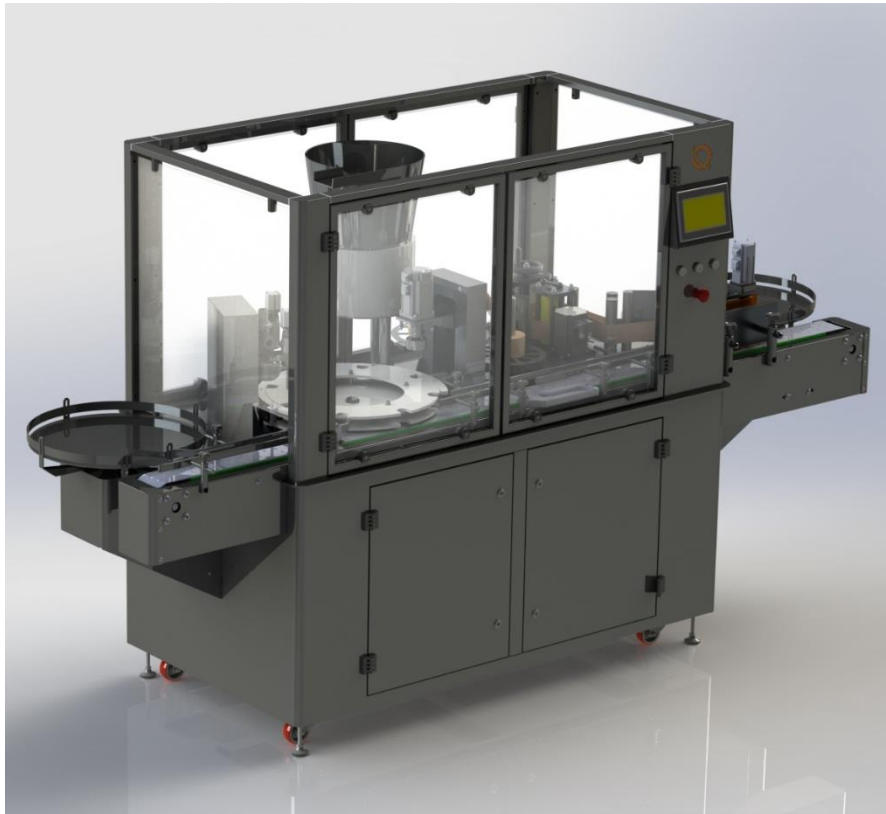
***We offer preparation of a 3D model and full technical documentation:***

- *3D modeling – SolidWorks, CREO ProE;*
- *2D Drawings;*
- *FEM Analysis;*
- *Prototyping;*
- *Digitalization;*
- *Reverse engineering.*



















# *Part of our works.*



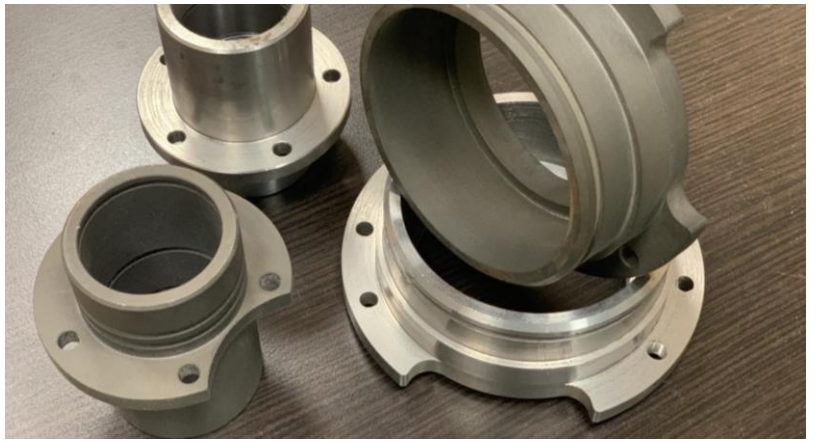















ZEN GO
Synergy Core
GAIN
HP/MON
64-bit AFC™






CB 6837 HB


























ГТП



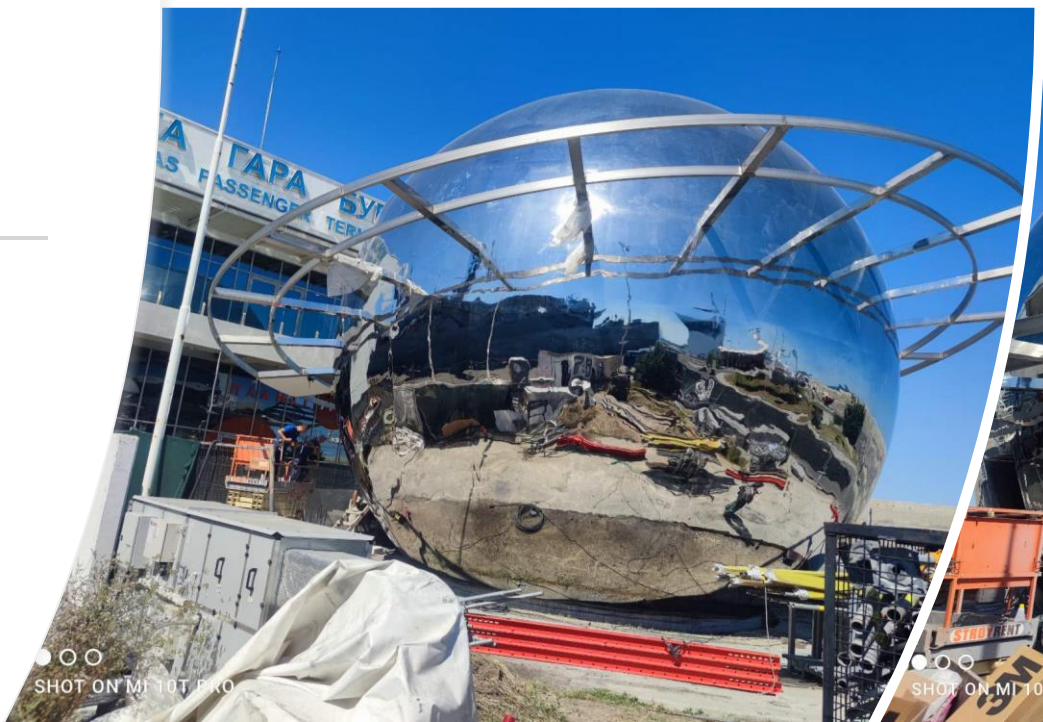


„Планетариум“,
Burgas, Bulgaria

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# Thank you for the time and attention.

We hope we work together.

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