



Cooperation for the highest requirements
System solutions for the highest quality standards

Tometh metal technology

New site



Tometh metal technology ltd Bélapátfalva HUNGARY



System solutions, included design, production and programming, are offered in the following cases:

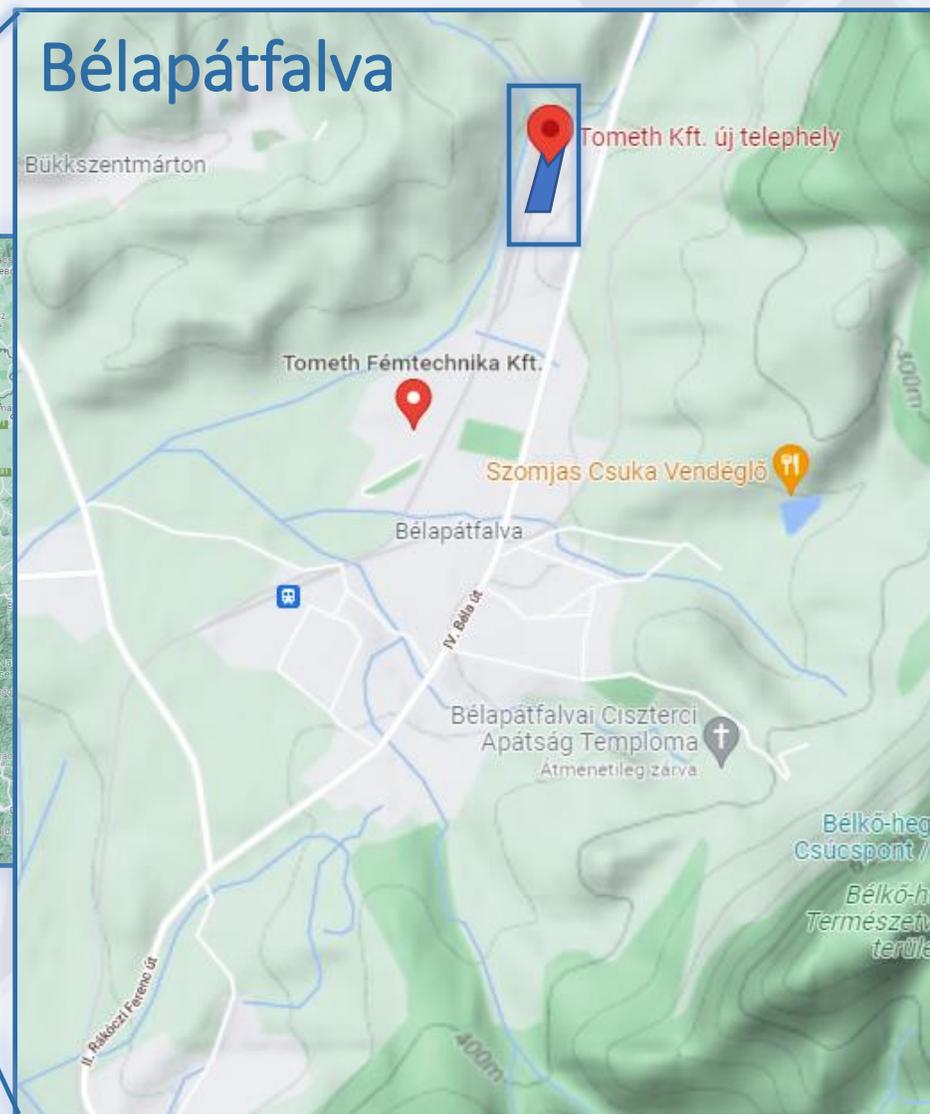
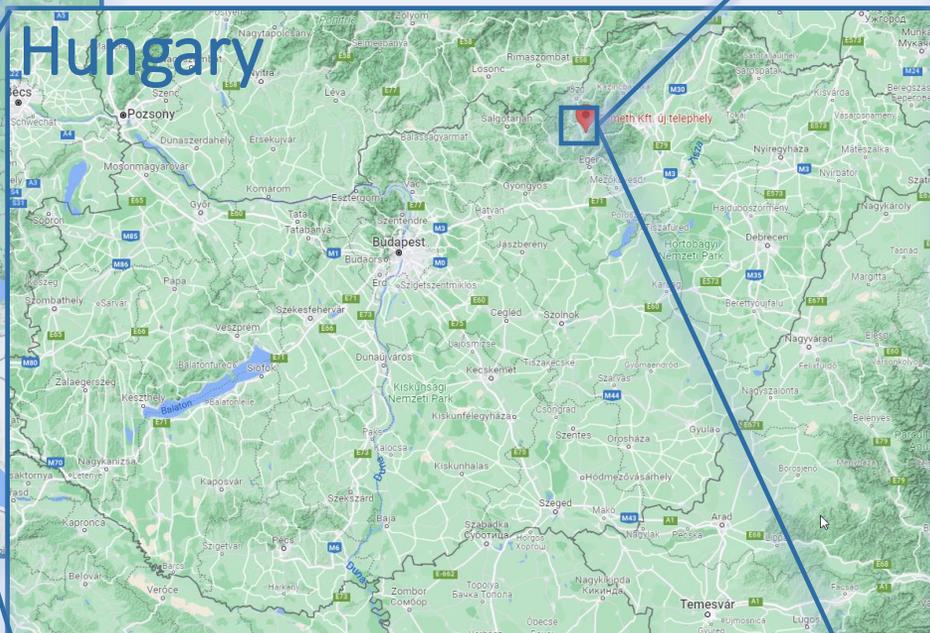
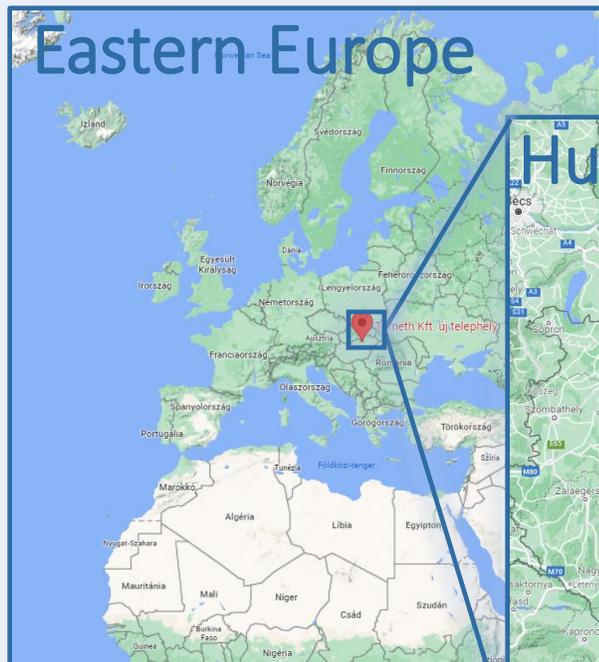
- Milling
- Turning,
- Wire and block EDM
- Grinding
- Small series assembly
- Welding & locksmithing / sheet metal bending & working...
- Planning, dedicated design team,
- Consultation, CAD & CAM support services
- Machines fixtures and assembly solutions
- Rebuild, re design, re imagine for function and needs
- Tometh owned & branded products
- Support & maintenance
- Measurement lab capacity (CMM, GOM...)
- Production & project management
- Full assembly line and special purpose machine builds (internally designed built mechanically electrically ..)
- PLC and robot programming support



Location.:

📍 Bélapátfalva, 3346

📍 39C4+J2 Bélapátfalva



WEB.:

HU: <http://www.tometh.hu/hu/index.html>

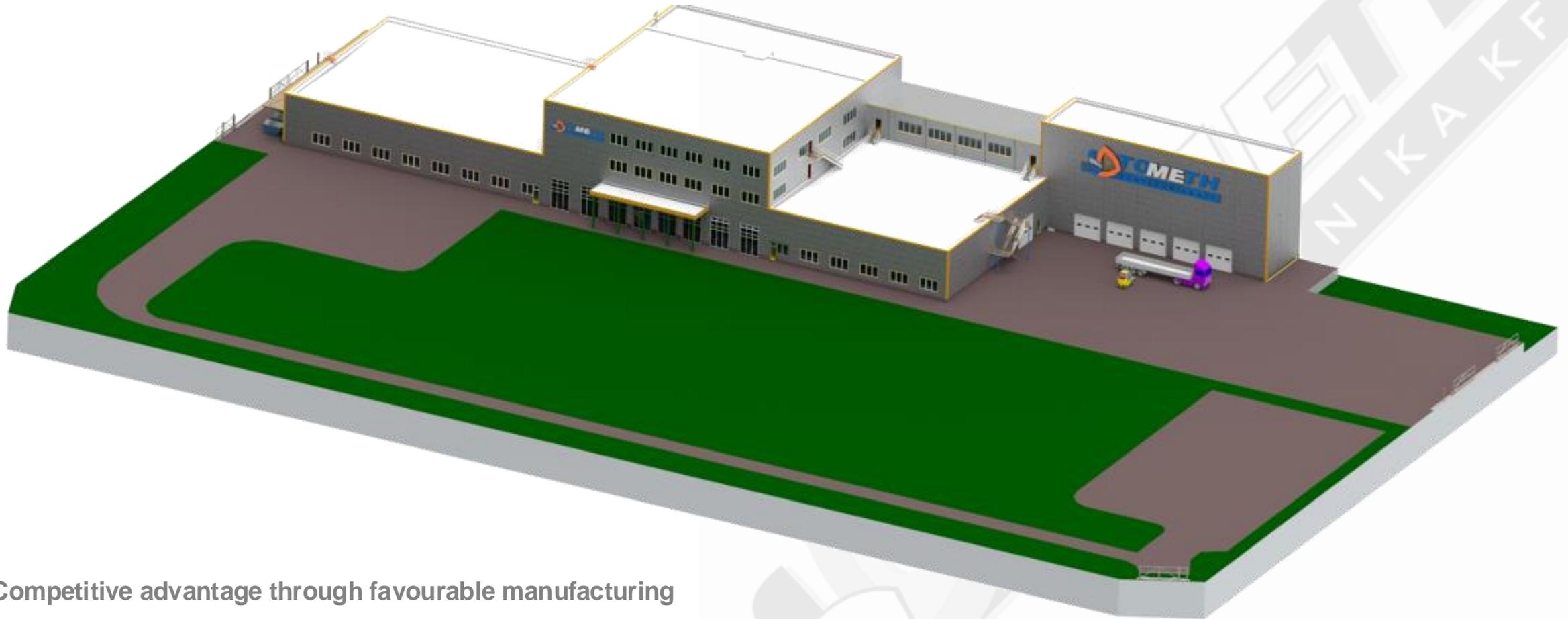
EN: <http://www.tometh.hu/en/index.html>

DE: <http://www.tometh.hu/de/index.html>



The new industrial park site

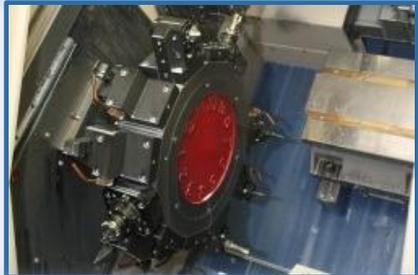
- Designed and built By US, for YOUR & OUR common success



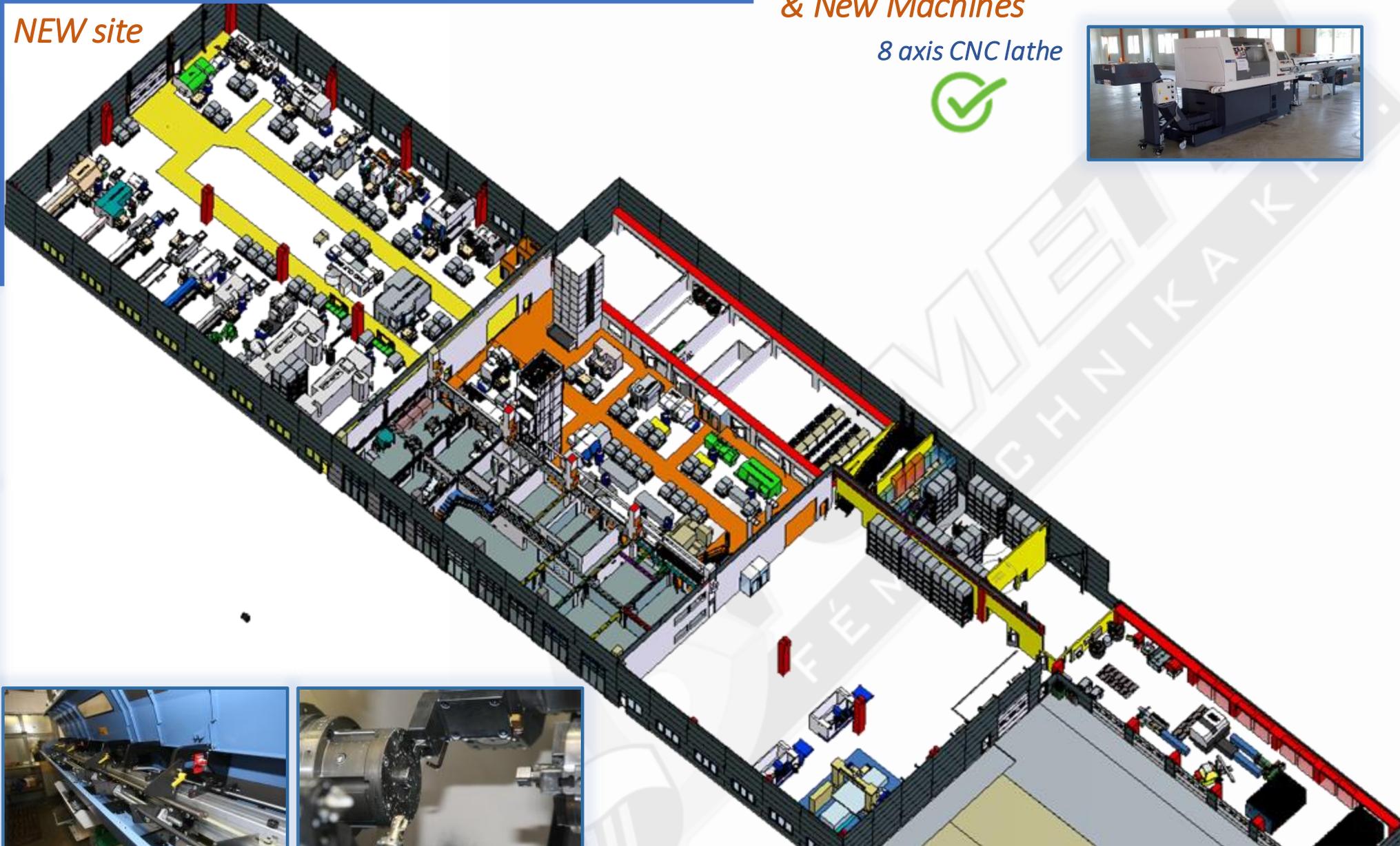
- **Competitive advantage through favourable manufacturing**
- Skilled colleagues are guiding the projects till the final takeover, they are completely coordinating the cooperation. This way we ensure our partners to make profit out of the favourable manufacturing in addition to keep the highest quality standards.
- We kindly welcome your needs and we are looking forward to a personal discussion.

Plans:

Available machines



NEW site



& New Machines

8 axis CNC lathe



& Reality :

NEW site



Main footprint and layout of ground floor: (main building 4 stories)

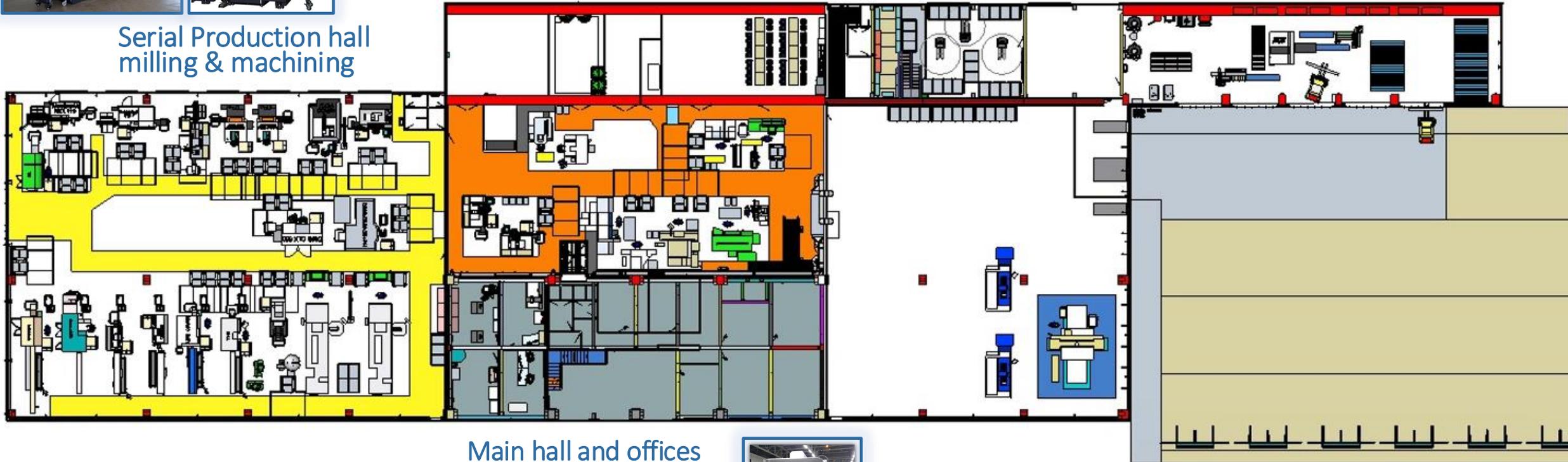


Logistics, storage & oversized parts

Cutting, material storage, Heat treatment & nitriding



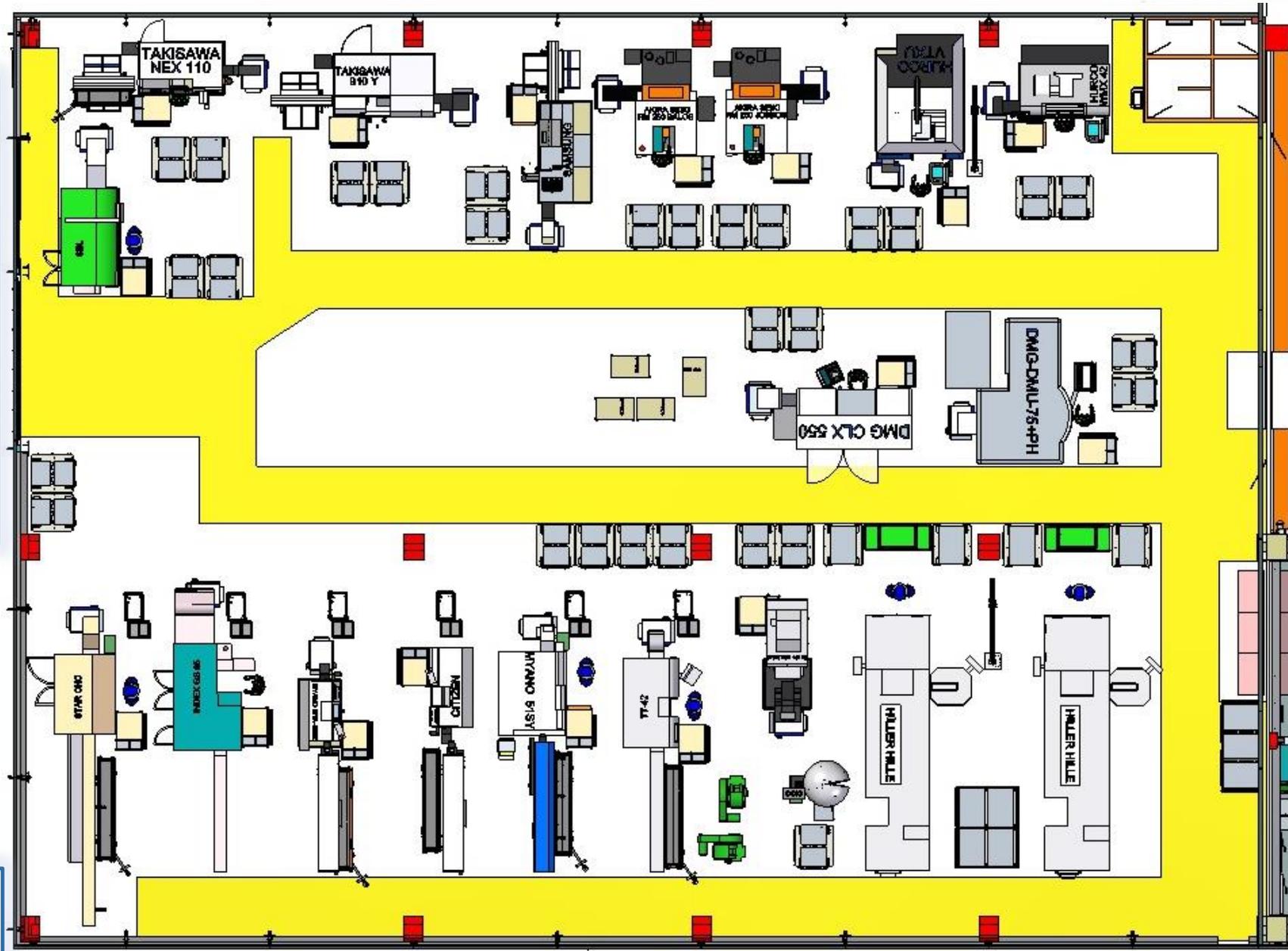
Serial Production hall milling & machining



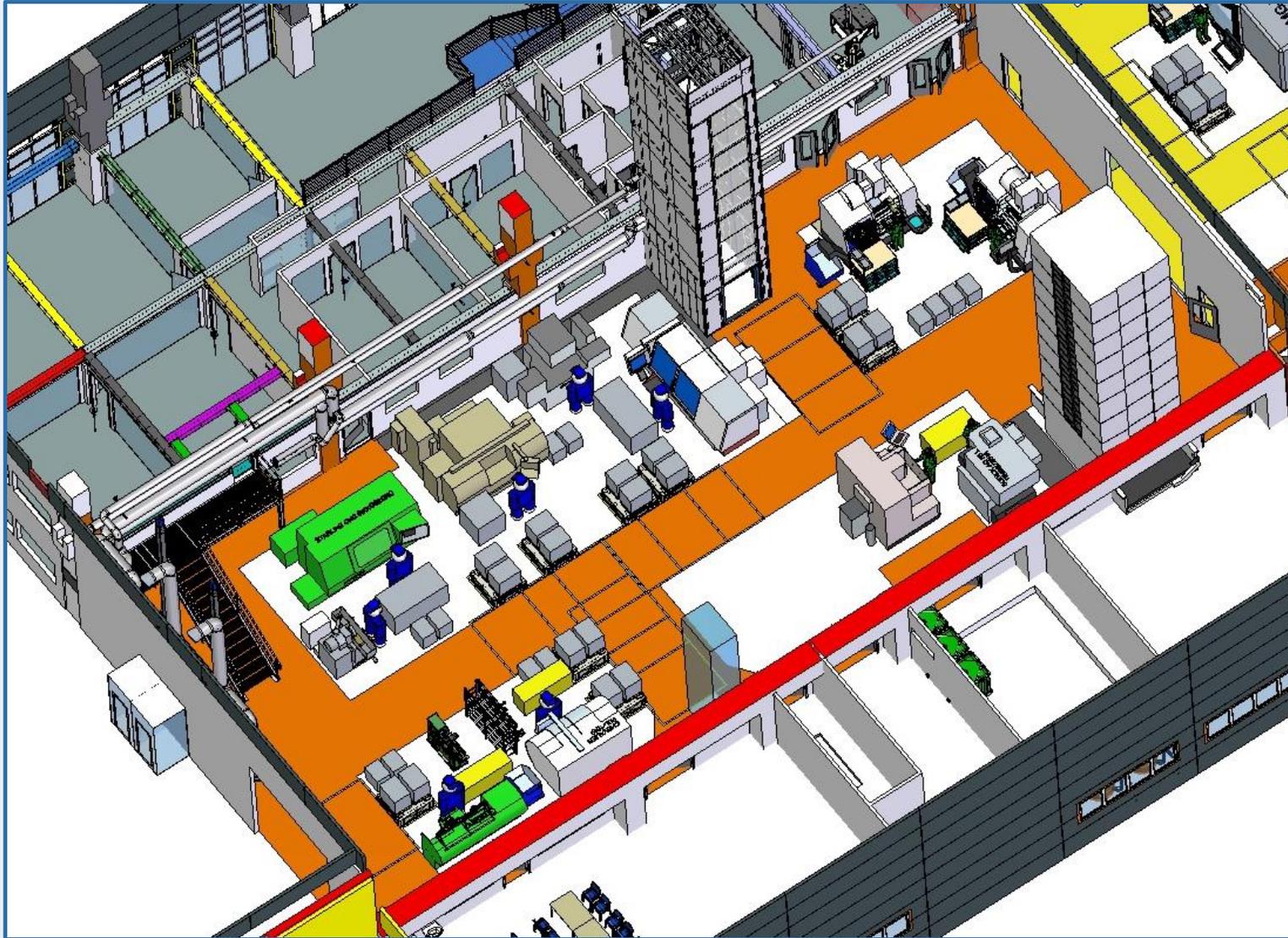
Main hall and offices
Small series, Wire and Die-sink EDM, Grinding



Serial production hall

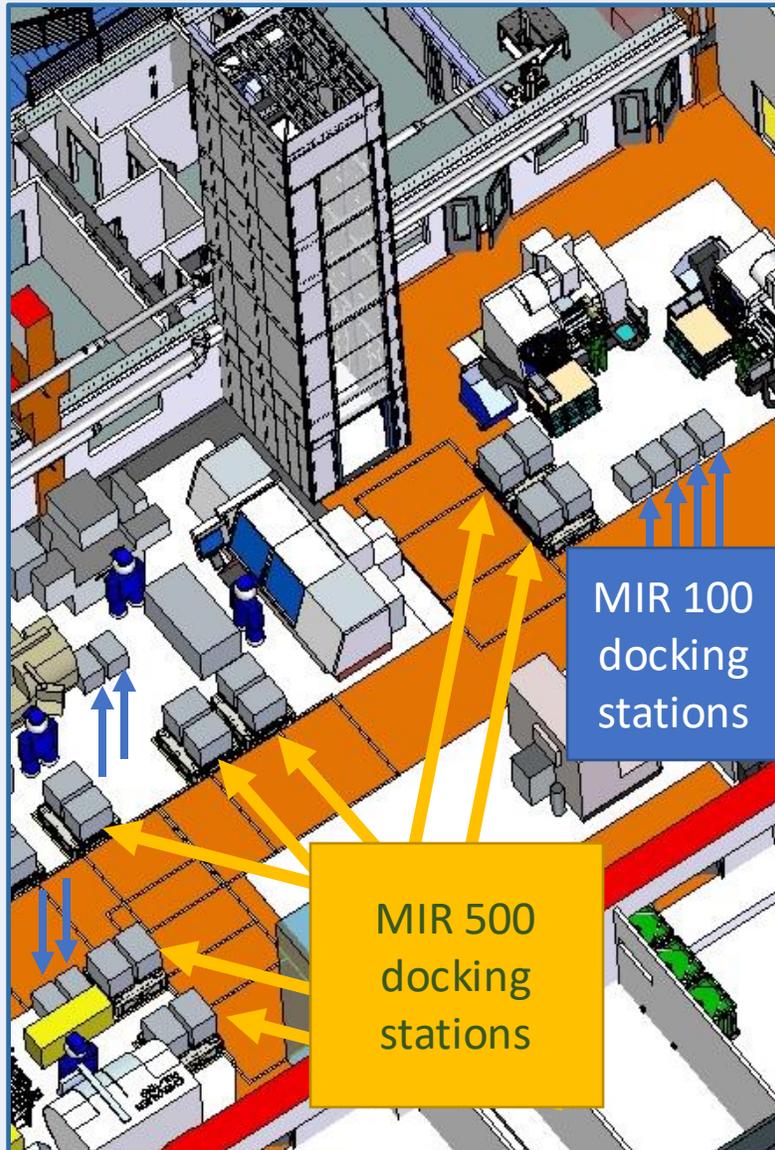


Main hall - Small series, Wire and Die-sink EDM, Grinding



FÉMTECHNIKA

MIR 100 & 500 based automated logistics system



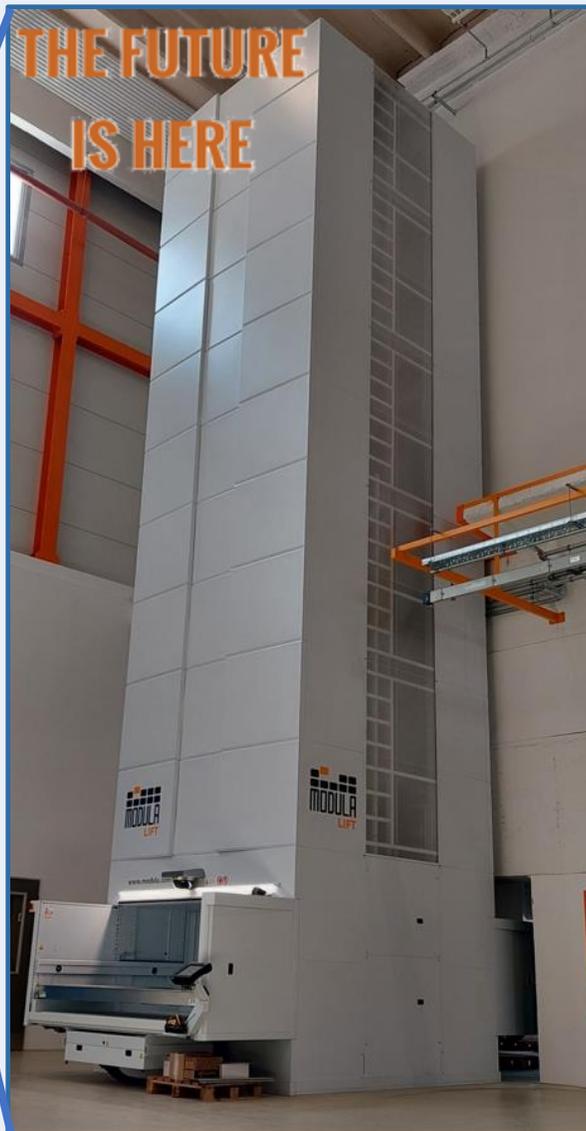
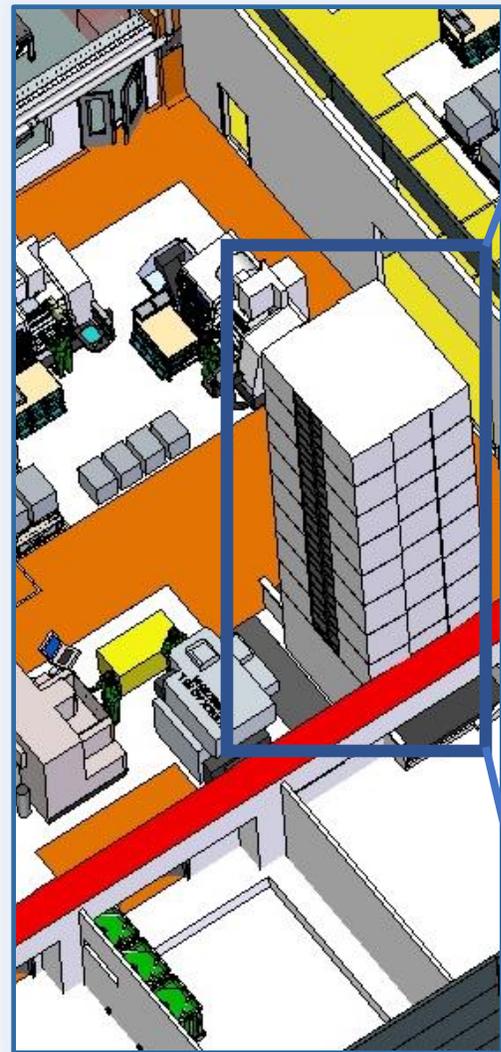
MiR100 is a safe, cost-effective mobile robot that quickly automates internal transportation and logistics. The robot optimizes workflows, freeing staff resources so to increase productivity and reduce costs.

- **MiR500** is designed to automate the transportation of pallets and heavy loads across industries. With a total payload of 500 kg, and a footprint of 1350x920 mm, MiR500 is a large, powerful and robust collaborative, autonomous mobile robot that aids productivity and reduce costs.

- Robots on site, logistics system build ongoing

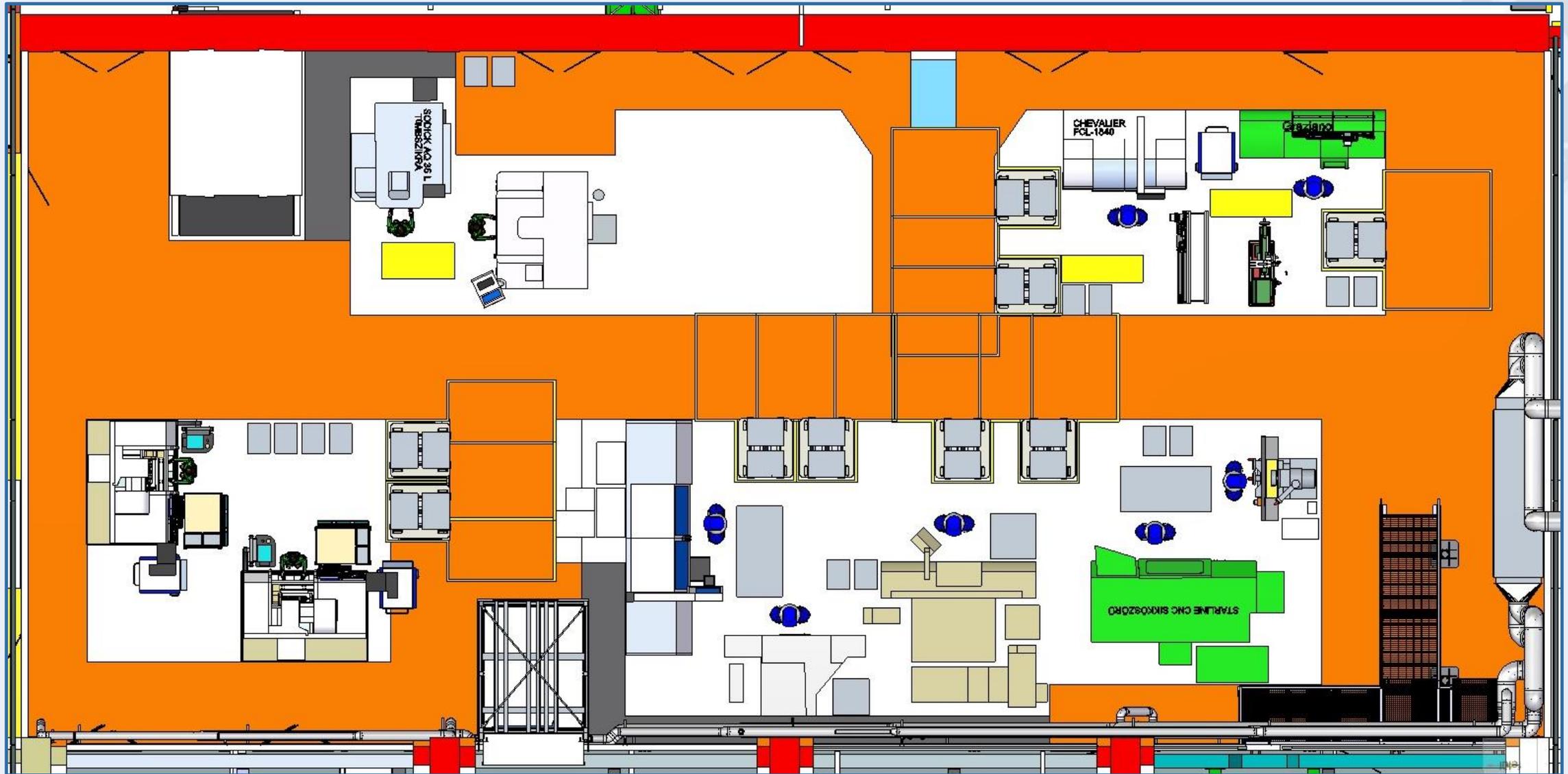
- For more info visit:
<https://www.mobile-industrial-robots.com/>

Modula automated high storage lift unit

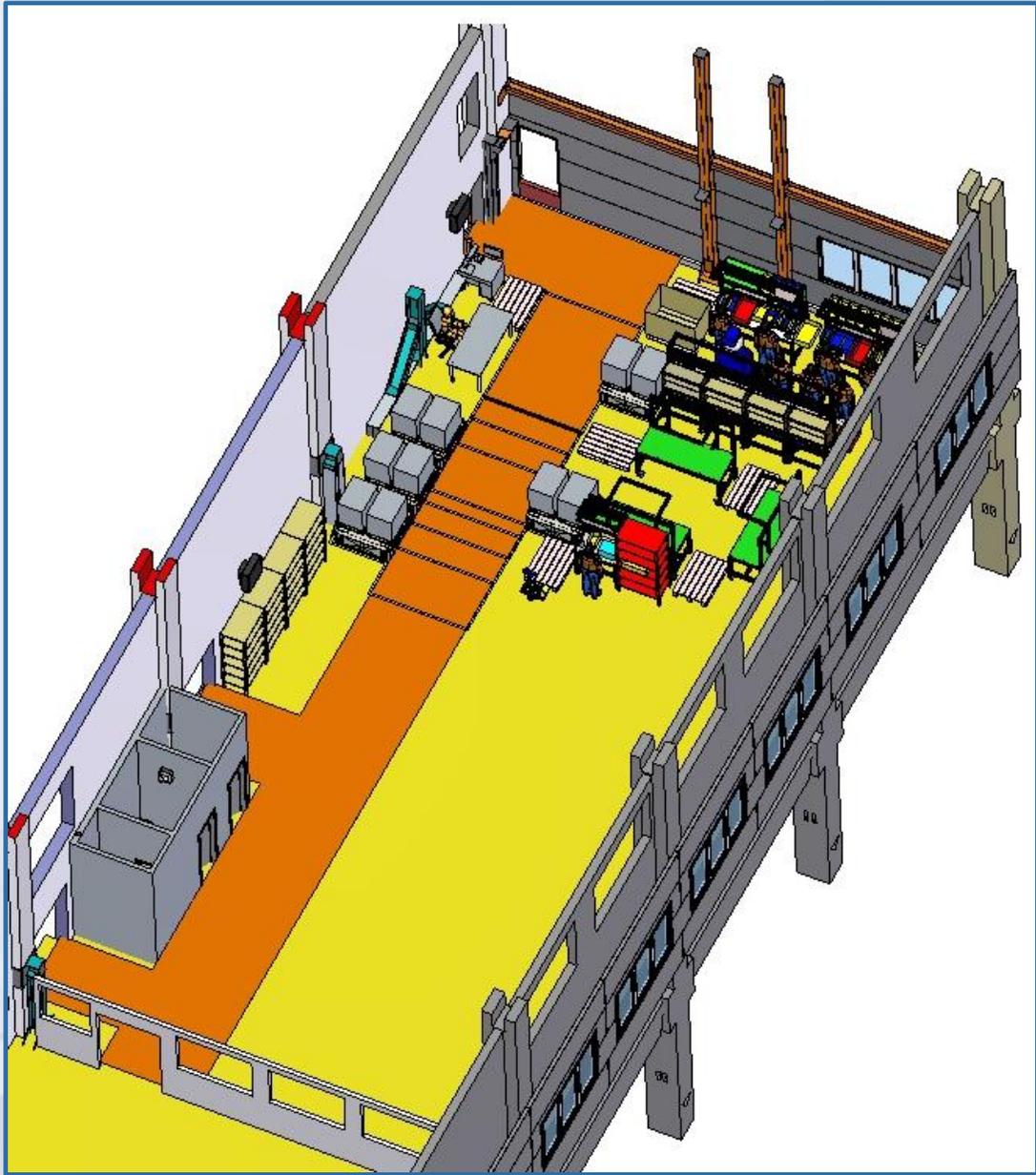
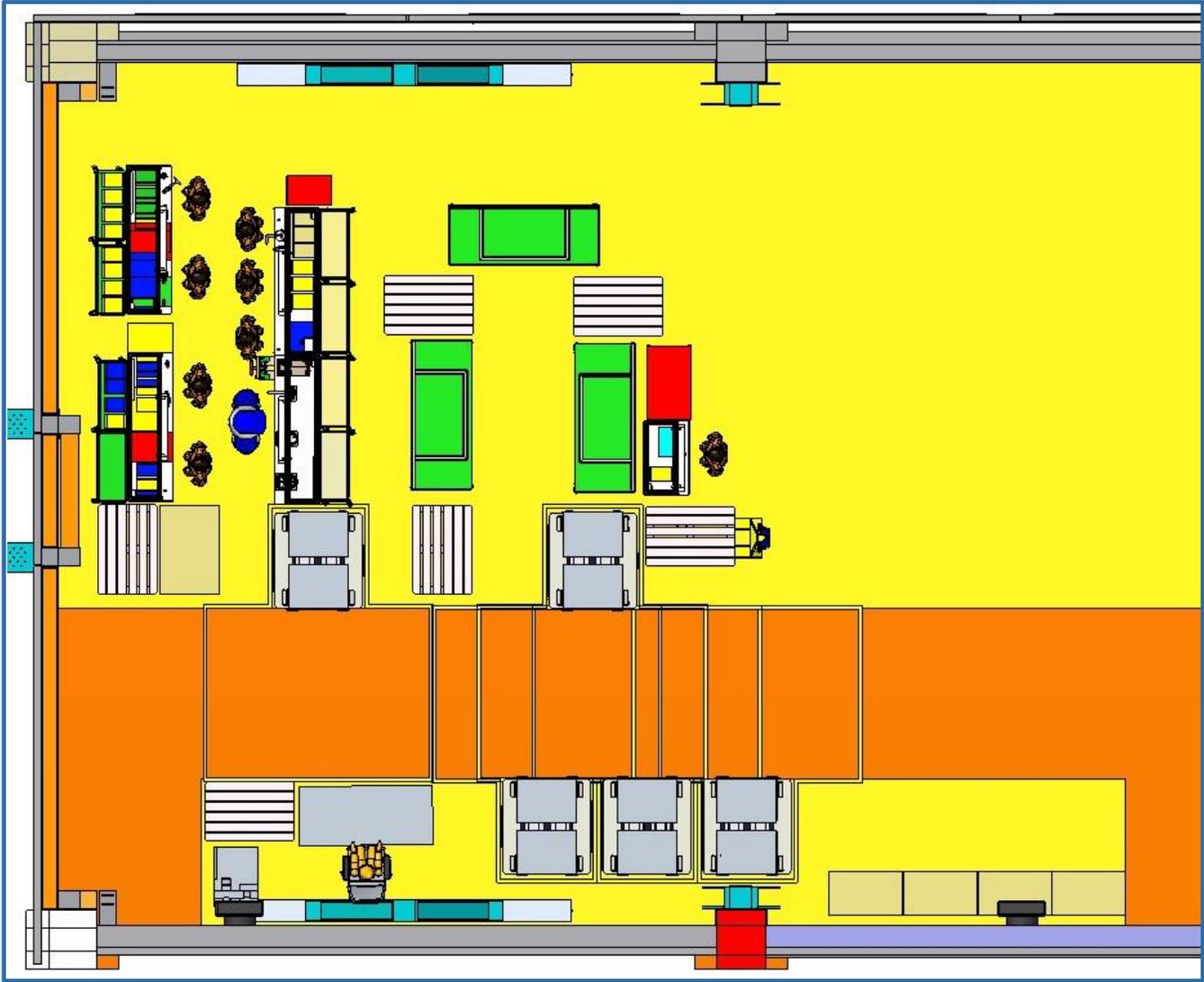


- Modula High Flexible & Intelligent Vertical Lift Module System installed.
- Automated order picking and storage system with the most advanced vertical lift modules on the market, to meet a broad range of storage and retrieval applications in manufacturing, distribution, retail, and warehouse operations. This innovative, vertical lift module storage tower is designed to optimize space and improve picking and storage operations. The Vertical Lift Module (VLM) maximizes storage potential by taking advantage of the facility's total ceiling height, provide high storage density for bulky and heavier items. Lift on site, logistics system build ongoing.
- For more info visit: www.Modula.com
- **What is Vertical Lift Module?**
- The Vertical Lift Module (VLM) is a powerful vertical file cabinet with shelves and an automatic lifting pallets that stores a huge number of goods and items. VLM is a an automated storage and retrieval system in which trays are stored vertically on the front and rear of the device. In the middle there is an extractor which, at the push of a button or by reading a barcode, automatically transports the trays with the stored goods into the access opening. Due to the modular design, the vertical lift system can be adapted to the respective height requirements at any time, both before and after assembly.

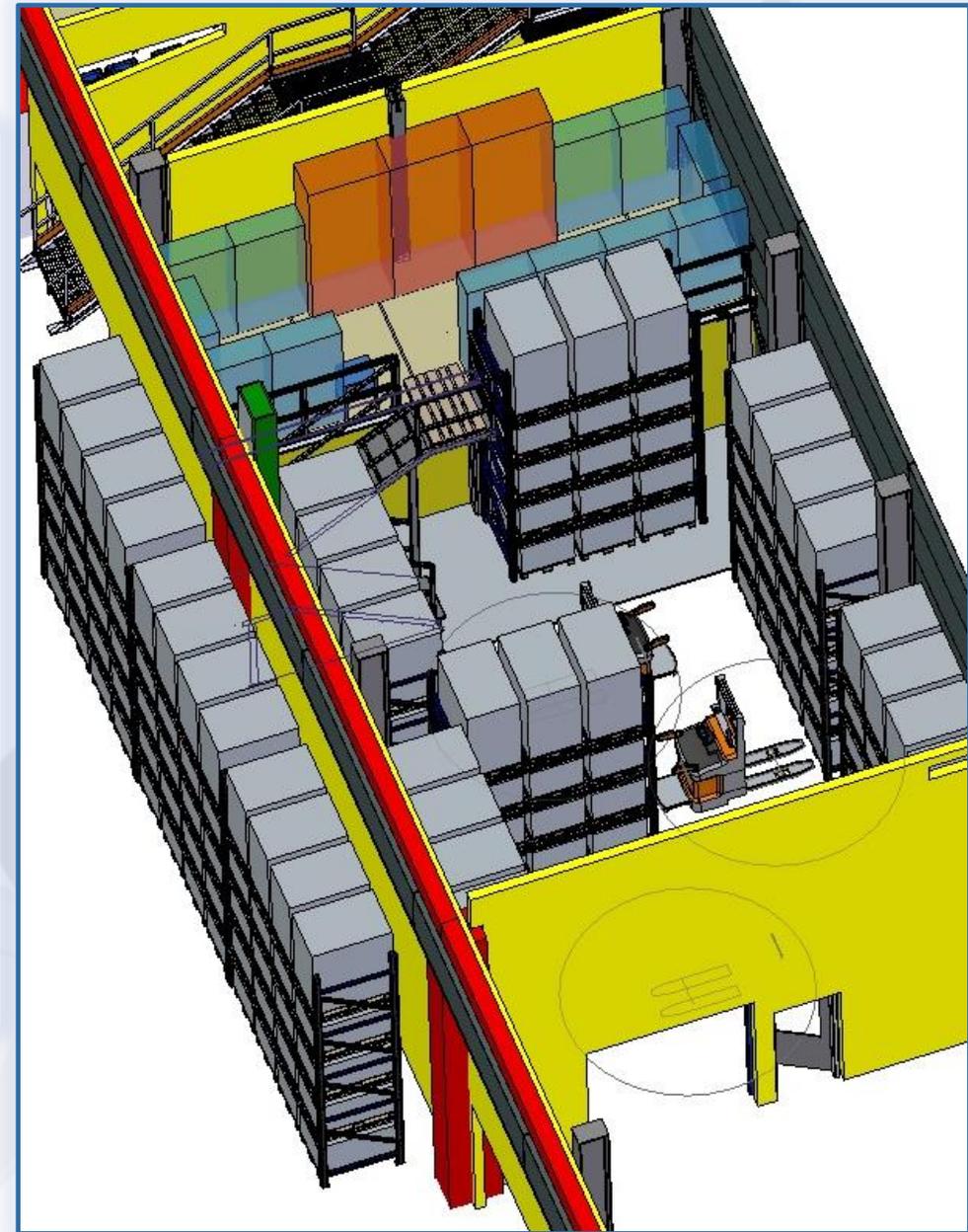
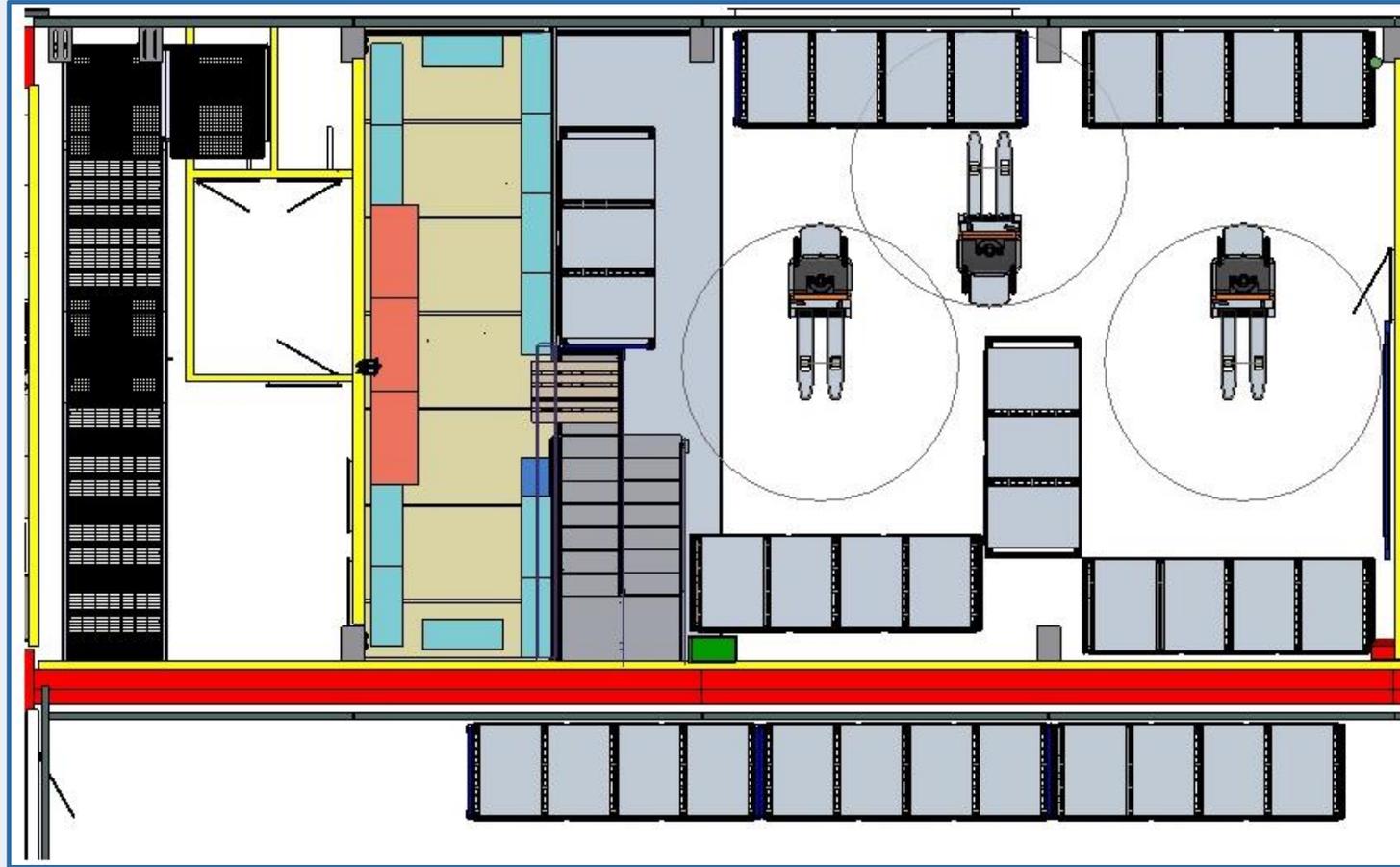
Main hall - Small series, Wire and Die-sink EDM, Grinding



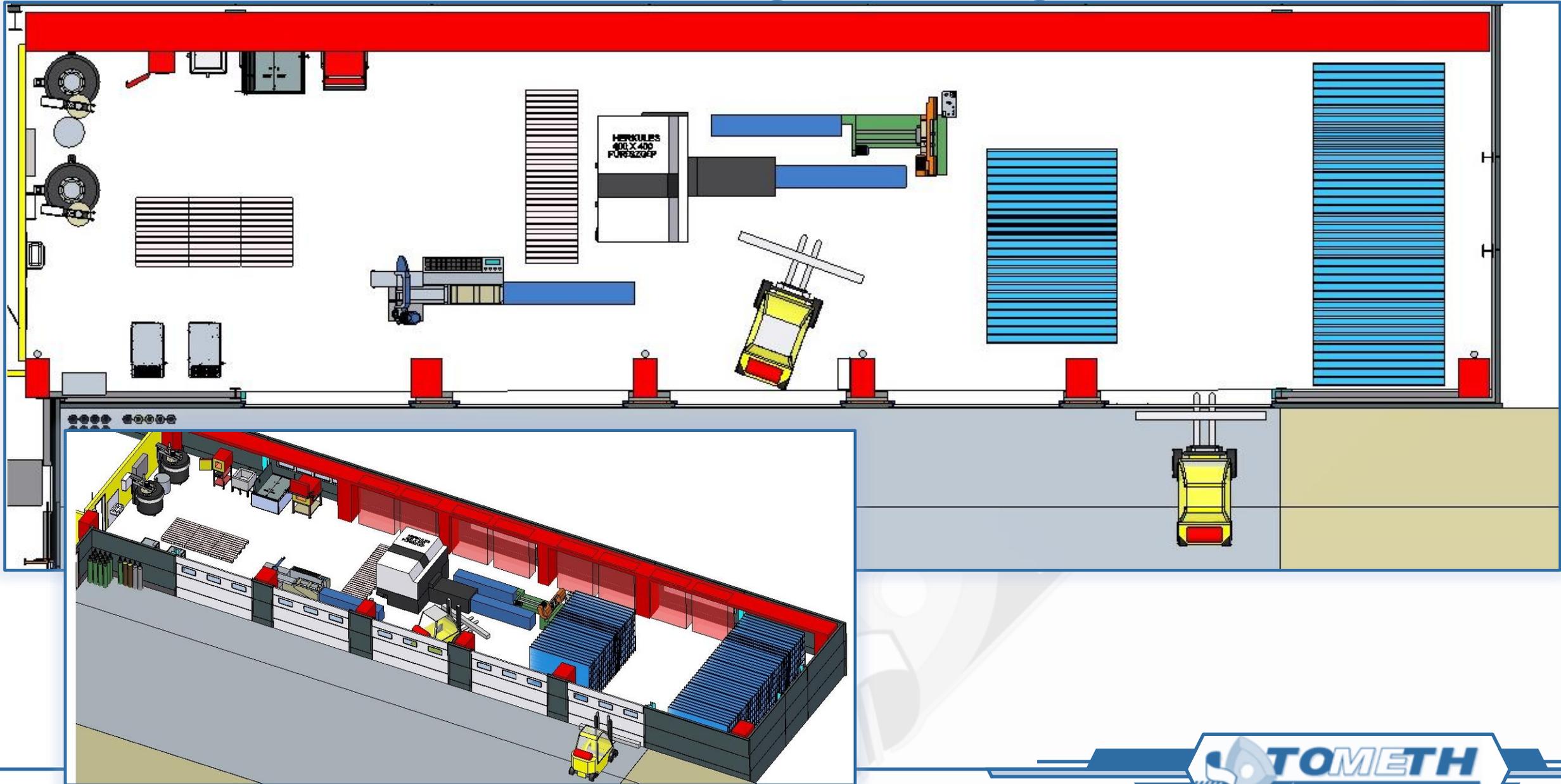
3rd floor: Assembly hall



Logistics & storage area



Heat treatment, material storage & cutting area



Tometh is a multi faceted solutions provider

Main profile is Metal technologies:

- milling 3-to 5 axis CNC
- turning, 1 to 8 axis CNC and conventional lathes
- wire and block EDM
- grinding CNC and conventional
- Small series assembly 2-500pcs series
- welding (robotized & conventional) & locksmithing / sheet metal bending & working...

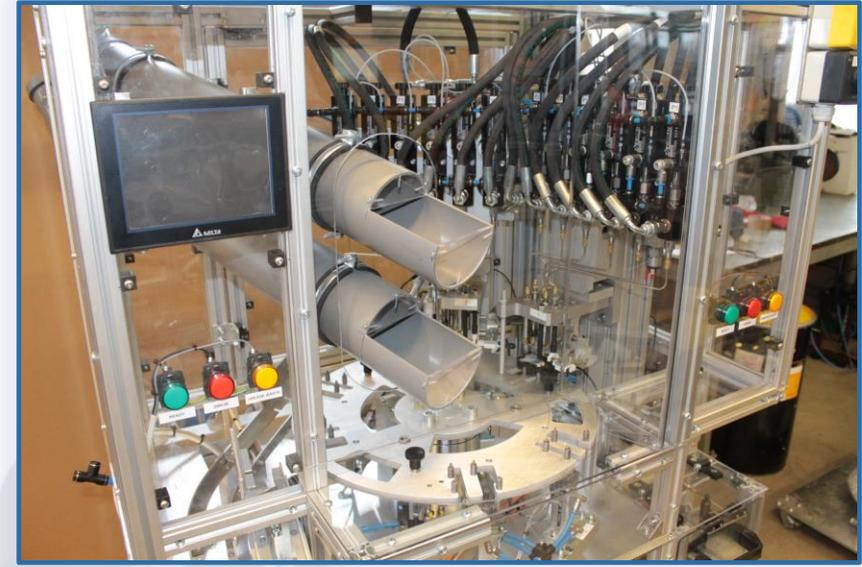


In addition we provide:

- Planning design, consultation, CAD & CAM support services
- Machines fixtures and assembly solutions Assembly lines and special purpose machines (installed world wide)
- Rebuild, re design, re imagine for function and needs
- Tometh owned & branded products
- Support & maintenance
- Measurement laboratory capacity (CMM, GOM...) *and much more...*

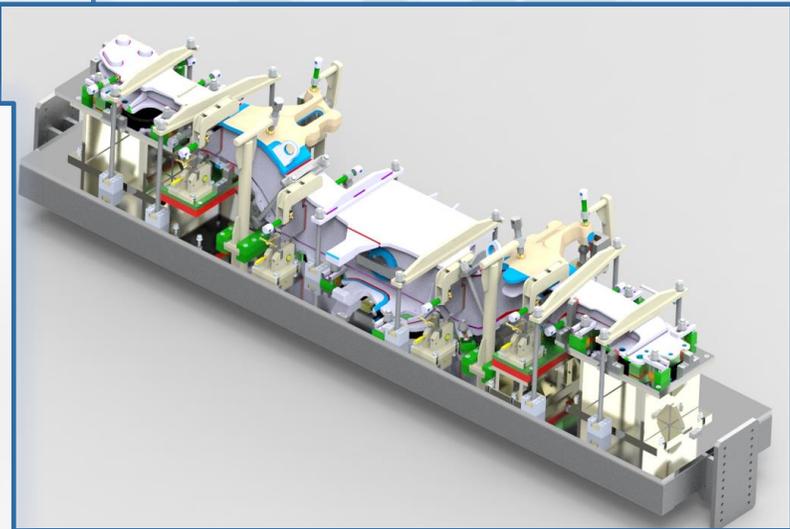
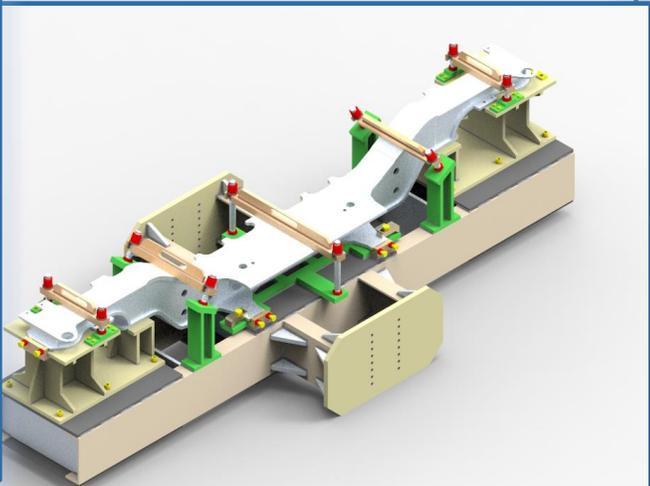
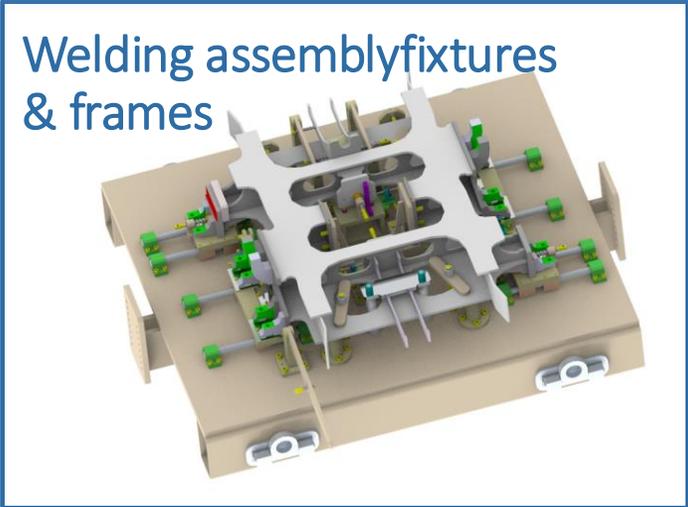
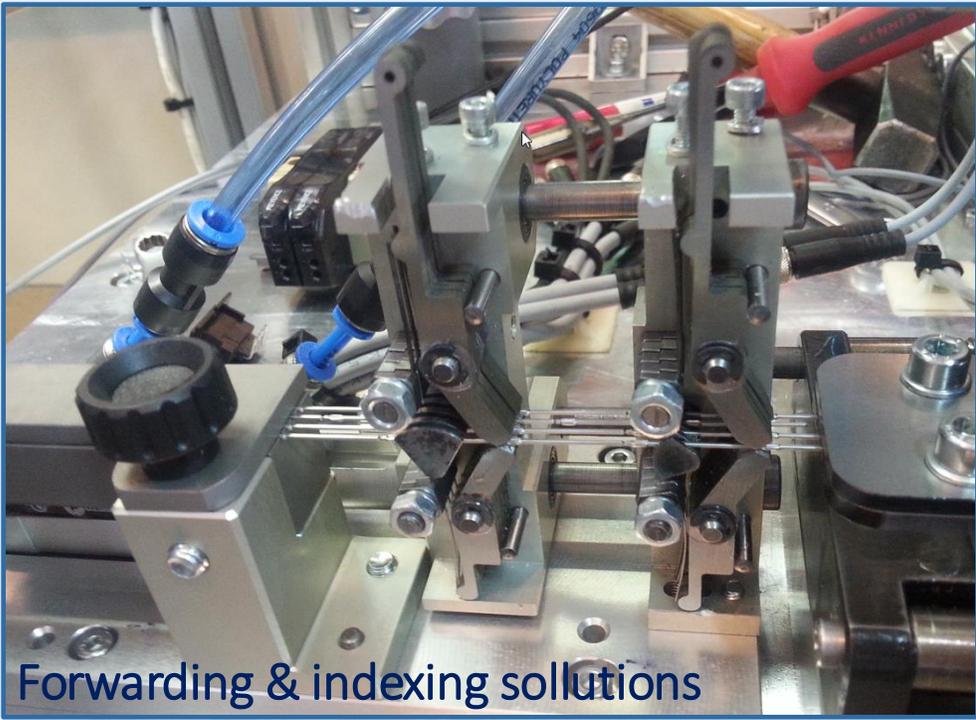
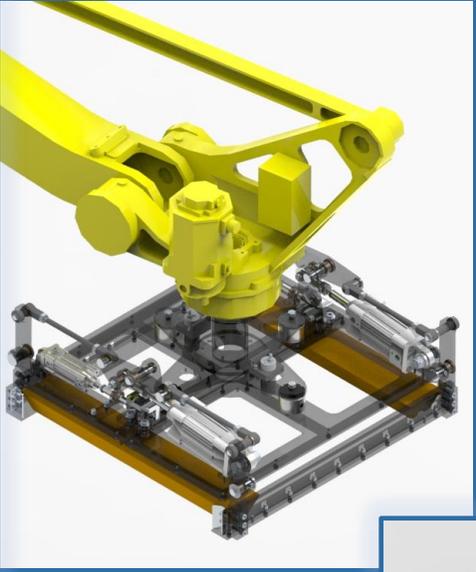
Special purpose assembly lines, stations machines, fixtures and more

Solutions for
automated,
semi automated
and manually supported
assembly tasks
grease application
pressing, crimping
and much much more!



Mechanical solutions

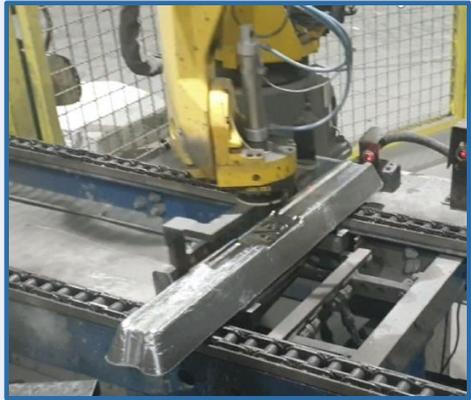
designed and build to function and all needs!



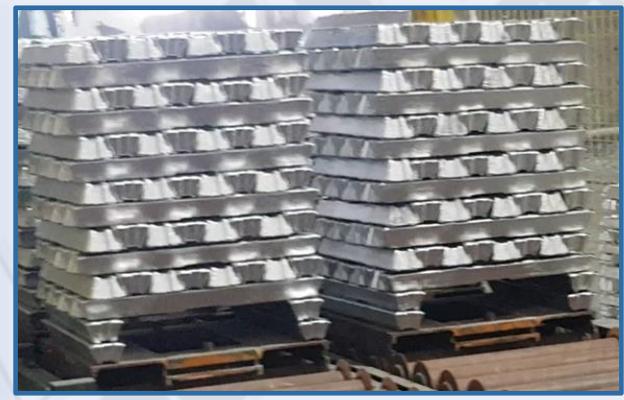
Automatized solutions Automatized handling system for foundries high temperature environment

1.) Handling cooling (400°C +) aluminium raw material

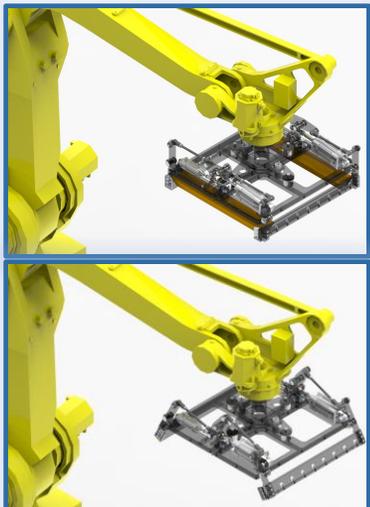
- checking,
- orienting / rolling and forwarding



3.) Stacking to pre defined handling unit stack

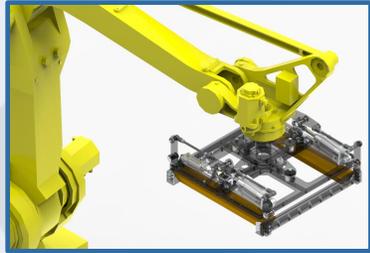


2.) Forwarding orienting to stack



Robot arms 2X
simultaneous work in 1 are!

Automatized solutions Automatized handling system for foundries high temperature environment



DESIGNED,
BUILT,
VALIDATED,
TESTED,
UPGRADED
& SUPPORTED
by



for OUR
common success



<https://web.microsoftstream.com/video/cb97a990-c613-4c64-987b-8b5e0d3a7c6b>



Assembled parts

„small series production”

Forestry pulleys, drill stands, & much more!



Fully assembled, packed



Backoffice capacity:

HR



Purchasing



CAD & CAM support services



Booking



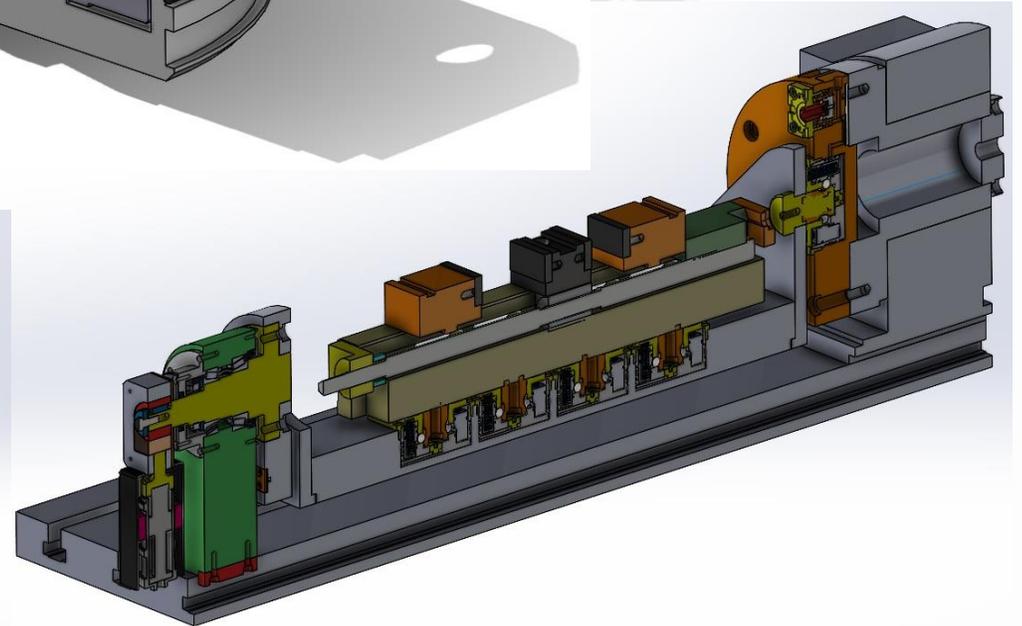
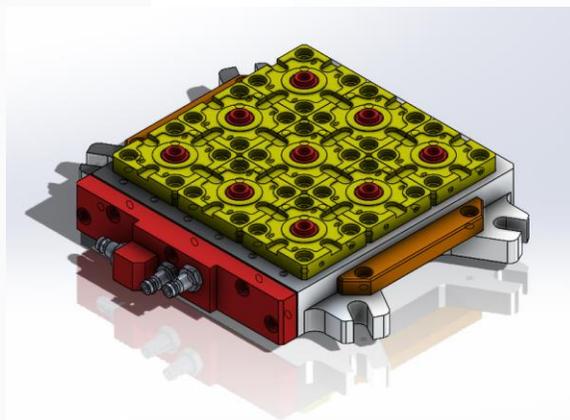
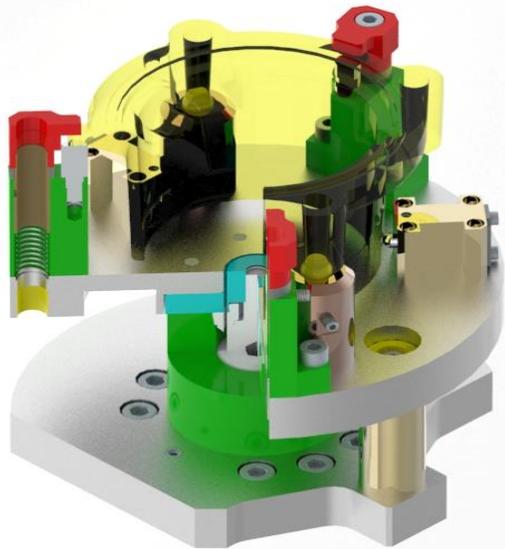
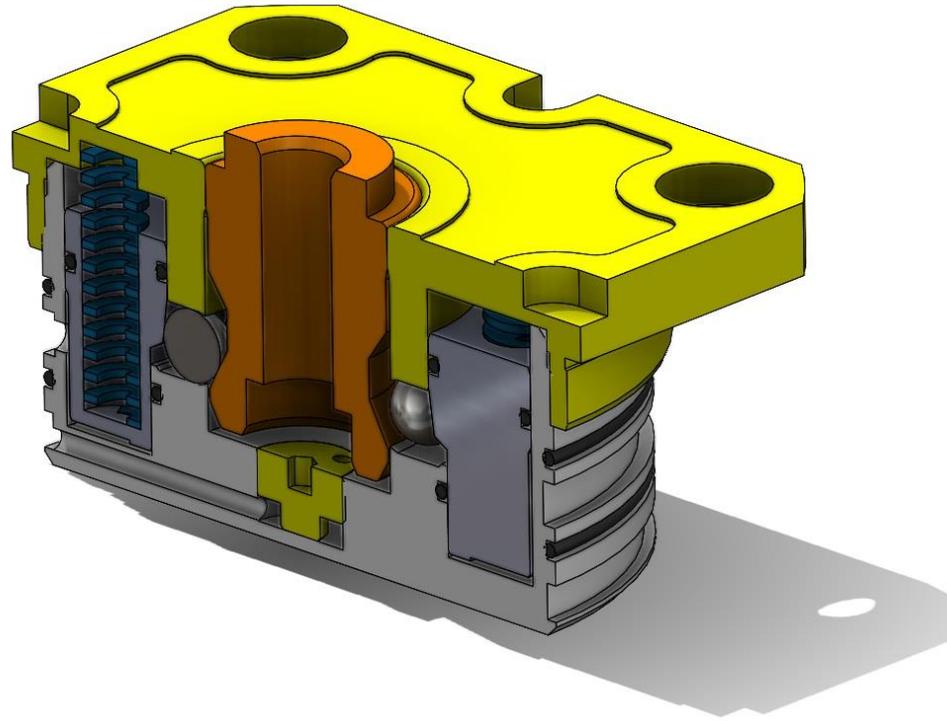
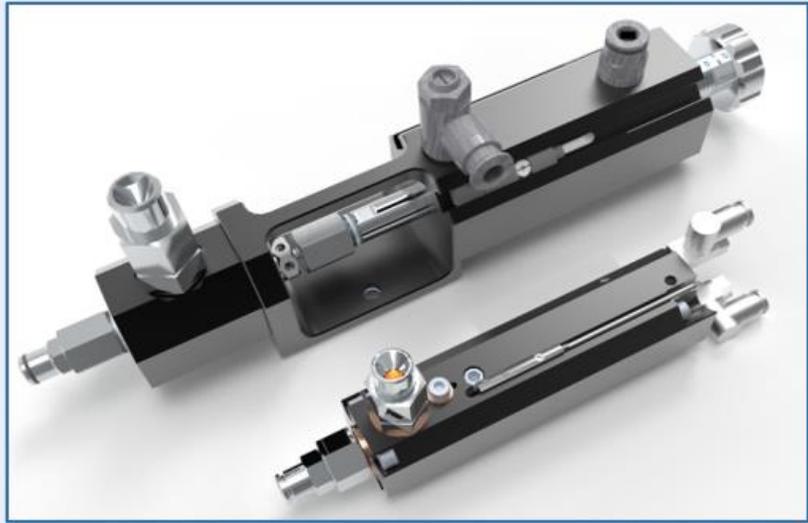
Quality development
Quality control



Purchasing



CAD Planinig :



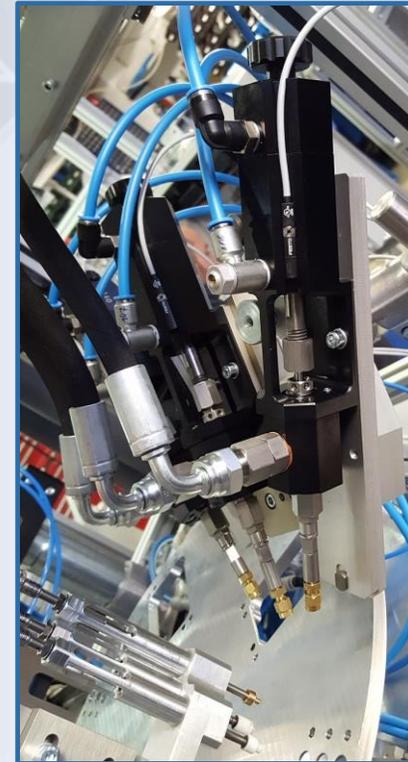
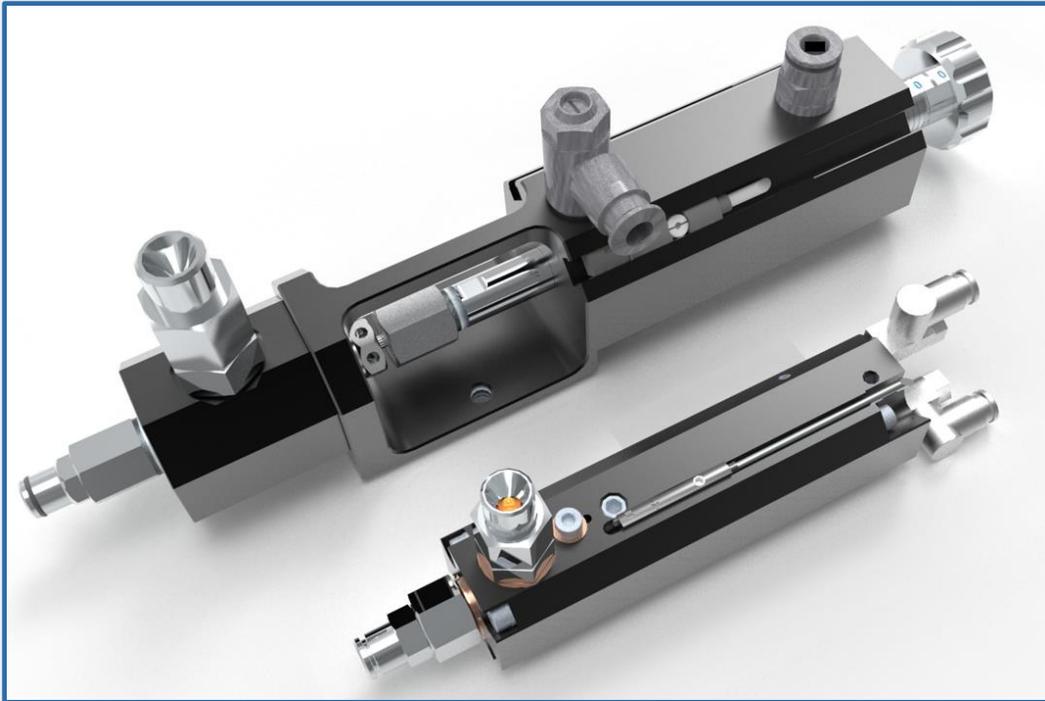
Tometh make products

Available:

Tometh Doser TD & TDMini series

High precision volumetric greasing dosing units & pressure reducers for lubricant application

in serial use in Hungary, Mexico & Serbia



Production Planning & HMI solutions:

TERMINÁL Syber Factory System Gyártási műveletek

Üz.vez. Terminál PC Terminál Tóth Péter 2022-06-13 14:29

Szűró	Nr	Gysz. / terhelés ó.	Gép (160)	Művelet	Termék	Megnevezés	Terv/Tény
A S	93015	0v/sz 29713 / 3.4	HURCO VMX301.1	5. NC Marás (4 tenges)	701213 E E	DRUM ONLY DTF.25	51 / 20
A S	93664	0v/sz 29896 / 1.0	HURCO VMX301.1	4. NC Marás	190328	Menetes gömbcsap	2 / 0
A S	93652	0v/sz 29894 / 3.1	HURCO VMX301.1	3. NC Marás (4 tenges)	9587 A02 A02	Halter Traverse	10 / 0
A S	93653	0v/sz 29894 / 3.8	HURCO VMX301.1	4. NC Marás (4 tenges)	9587 A02 A02	Halter Traverse	10 / 0
A S	92716	0v/sz 29630 / 1.9	HURCO VMX301.1	2. NC Marás			
A S	92717	0v/sz 29630 / 0.7	HURCO VMX301.1	3. NC Marás			
A S	92524	0v/sz 29587 / 21.6	HURCO VMX301.1	2. NC Marás			
A S	88383	0v/sz 28364 / 1.7	HURCO VMX301.1	4. NC Marás			
A S	88357	0v/sz 28348 / 0.7	HURCO VMX301.1	4. NC Marás			
A S	92405	0v/sz 29553 / 2.1	HURCO VMX301.1	6. NC Marás			

Műveletlista

Termékszám: 708467 C C
 Megnevezés: Lever for steering device
 Belső rendelési szám: R22022531 / 20 db
 Gyártási szám: GYSZ28906
 Gyártásba adva: 20 db
 Gyártási határidő: 2022-05-17

Előző művelet
 Előző művelet MEO átvett:
 Gépfelérés:
 Termékfelérés:
 Vevő:

Következő művelet: 6. Kézi művelet (Levédés) - N90498

Rajz Szerszámozás / Készülék Mérési lap
 Műveleti utasítás Csomagolási utasítás Eszközök

TERMINÁL Syber Factory System Gyártási műveletek

Üz.vez. Terminál PC Terminál Műveletlista

Szűró	Nr	Gysz. / terhelés ó.	Gép (240)	Művelet	Termék	Megnevezés
A S	92996	0v/sz 29625 / 28.6	HURCO VMX42i	2. NC Marás	5506 B B	Lagerkorsol
A S	93072	0v/sz 29729 / 1.2	HURCO VMX42i	2. NC Marás	701236.1	4-kt. Rohr 30x30x1.5x6
A S	93406	0v/sz 29826 / 14.5	HURCO VMX42i	6. NC Marás	5502 B B	Memmkupplung
A S	90752	0v/sz 29035 / 16.3	HURCO VMX42i	2. NC Marás	3327.31 H H	Traeger
A S	90756	0v/sz 29036 / 13.8	HURCO VMX42i	2. NC Marás	3327.31 H H	Traeger
A S	90760	0v/sz 29037 / 16.1	HURCO VMX42i	2. NC Marás	3327.31 H H	Traeger
A S	90764	0v/sz 29037 / 16.1	HURCO VMX42i	2. NC Marás	3327.31 H H	Traeger
A S	90740	0v/sz 29037 / 16.1	HURCO VMX42i	2. NC Marás	3327.31 H H	Traeger
A S	90743	0v/sz 29037 / 16.1	HURCO VMX42i	2. NC Marás	3327.31 H H	Traeger
A S	90746	0v/sz 29037 / 16.1	HURCO VMX42i	2. NC Marás	3327.31 H H	Traeger

Műveletlista

Termékszám: 7012
 Megnevezés: DRUM ONLY DTF.25
 Belső rendelési szám: R22022531 / 20 db
 Gyártási szám: GYSZ28906
 Gyártásba adva: 52 db
 Gyártási határidő: 2022-05-17

Következő művelet: 6. Kézi művelet (Levédés) - N90498

Rajz Szerszámozás / Készülék Mérési lap
 Műveleti utasítás Csomagolási utasítás Eszközök

TERMINÁL Syber Factory System Gyártási műveletek

Üz.vez. Terminál PC Terminál Műveletlista

3391 2203 - Lageragbl. kpl. UW8 - R2107138

Műveleti utasítás

Lépcső Foto Leírás

- nyersanyag megfogása 6272 potfájában (J6-4)
- sík marás tisztára végek marása 216-ra 11.5-ös és 22-es horony 4db M4
- 90 fokkal elforgat jobbra horonyok jobbra néznek 51.8x10-es lépcső marása 1x45fok
- 180 fokkal ajtó fele fordít horonyok jobbra néznek, 51.8as lépcső alul van 20x10-es lépcső marása

Bezá

TERMINÁL Syber Factory System Méréseszközök

Üz.vez. Terminál PC Terminál Vass Gábor 2022-06-13 14:29

Nr	Megnevezés	Gyártó	Felvéve	Kalibrálva	Lejár	Állapot	Felérés
TM-10	Vilás szomszer 95-101 mm (0.01)	Ultra	2022-04-27	2022-04-27	2024-04-26	Megfelelő	-MEO-
TM001	Magasságmérő 0-9600 mm mm (0.0002)	Mahr	2015-01-01	2022-06-10	2023-06-10	Megfelelő	-MEO-
TM002	Optikai mérőeszköz x0-220 y0-130 mm mm (Starret)		2015-01-01	2021-08-24	2022-08-24	Megfelelő	-MEO-
TM003	3D mérőgép 1500x600x700 mm (0.0001)	WENZEL	2015-01-01	2022-04-29	2023-04-29	Megfelelő	-MEO-
TM004	Keménységmérő HRC (1)	Rockwell	2001-11-13	2022-02-25	2024-02-25	Megfelelő	-MEO-
TM005	Keménységmérő HRC (1)	Vickers	2006-				
TM006	Optikai mérőeszköz 200x100mm mm (0.0001)	Keyence	2013-				
TM007	Érdeságmérő Ra0.03-Ra6.35 Ra (0.01)	Mahr	2015-				
TM008	3D mérőgép 0 mm	GOM	2018-				
TM100	Vilás szomszer 28-35 mm (0.01)	Noname	2003-				
TM101	Vilás szomszer 20-28 mm (0.01)	Noname	2003-				
TM102	Vilás szomszer 35-43 mm (0.01)	Noname	2003-				
TM103	Vilás szomszer 43-50 mm (0.01)	Noname	2003-				
TM104	Vilás szomszer 43-50 mm (0.01)	Noname	2003-				

TERMINÁL Syber Factory System Méréseszközök

Üz.vez. Terminál PC Terminál Vass Gábor 2022-06-13 14:29

Méréseszközök listája

Mérés lap - 4527 B B (Body machined) - 1. NC Marás (5 tengelyes) (N93794)

Vevő: HONEYWELL Termék: 4527 B B - Body machined Rajz: CEE20031 Méréslap száma: ML-4527 B B-1/104265

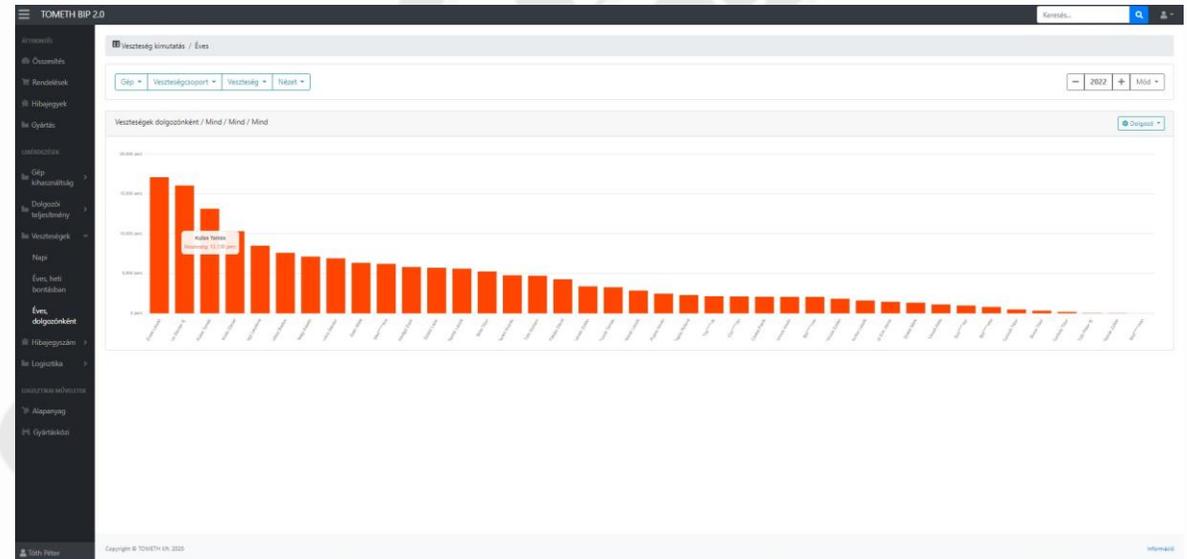
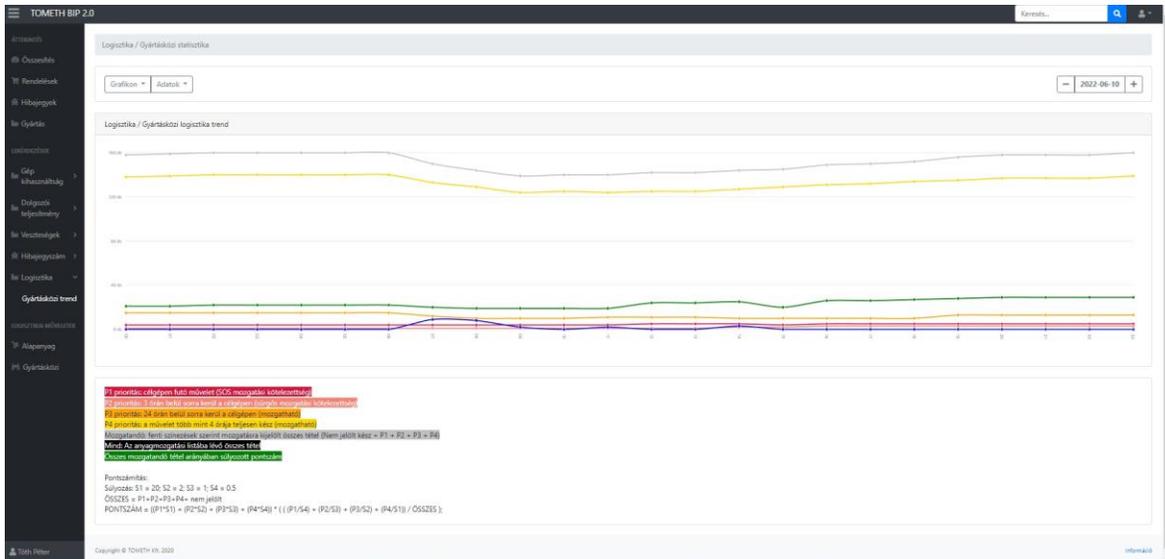
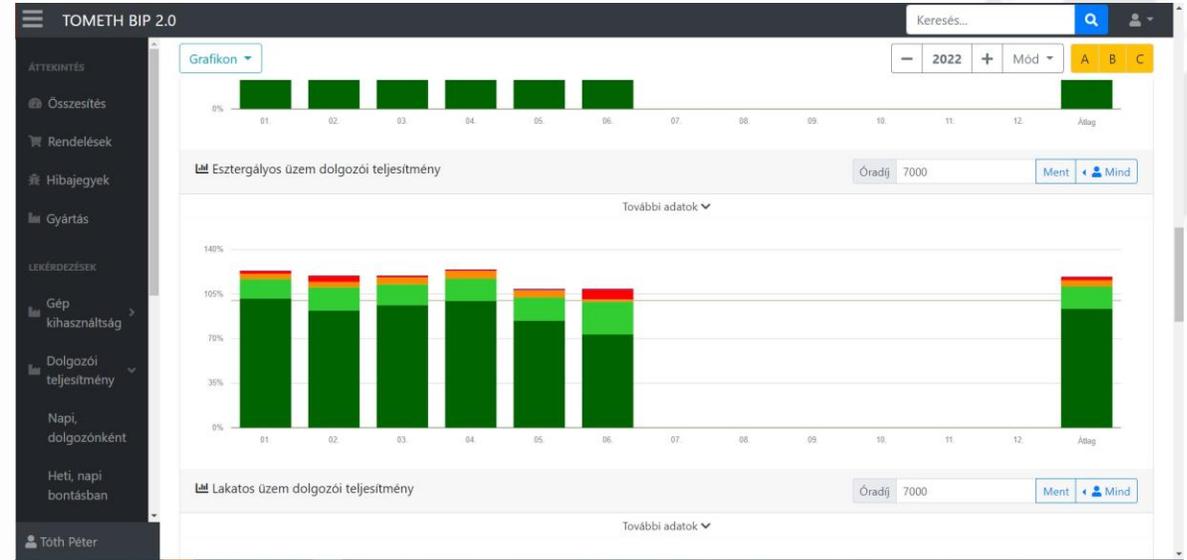
Ellenőrzendő	Méréseszköz	Eszköz	Gyak.	Korábbi eredmények	Mérés	Átlag	Elérés
3D 95	3D mérőgép	-	2Miszak	-	OK	0	0
3D 98	3D mérőgép	-	2Miszak	-	OK	0	0
L 8.1	±0.2 Tolmérő	Vállasszon	100/25	8.1	8.12	8.11	0
L 4.2	±0.3 Tolmérő	Vállasszon	100/10	42.01	42.083	42.0465	0.01
L 4.2	±0.3 Tolmérő	Vállasszon	100/10	42.02	41.988	41.994	0.02
L 13	±0.2 Magasságmérő	Vállasszon	100/25	13.05	13.065	13.0575	0.05
L 122	±0.3 Tolmérő	Vállasszon	100/10	218.18	218.117	218.1485	0.18
L 122	±0.5 Magasságmérő	Vállasszon	100/25	122	122.263	122.1315	0.263
3D 95	3D mérőgép	-	2Miszak	-	OK	0	0
L 6	±0.2 Tolmérő	-	100/25	-	5.93	5.93	-0.07
3D 100	3D mérőgép	-	2Miszak	-	OK	0	0
Ra 1.6	±0.8 Érdeságmérő	-	100/25	-	1.2	1.2	0.4
3D 131.2	3D mérőgép	-	2Miszak	-	OK	0	0
3D 0.1	3D mérőgép	-	2Miszak	-	OK	0	0

Megjegyzés: Figyelem! A daraboknak sorja, és forgácsmentesnek kell lenniük. Általános letörések, és lekerekítések 0.2 Max I A termékhez tartozó tűrésosztály ISO 2768-mk!

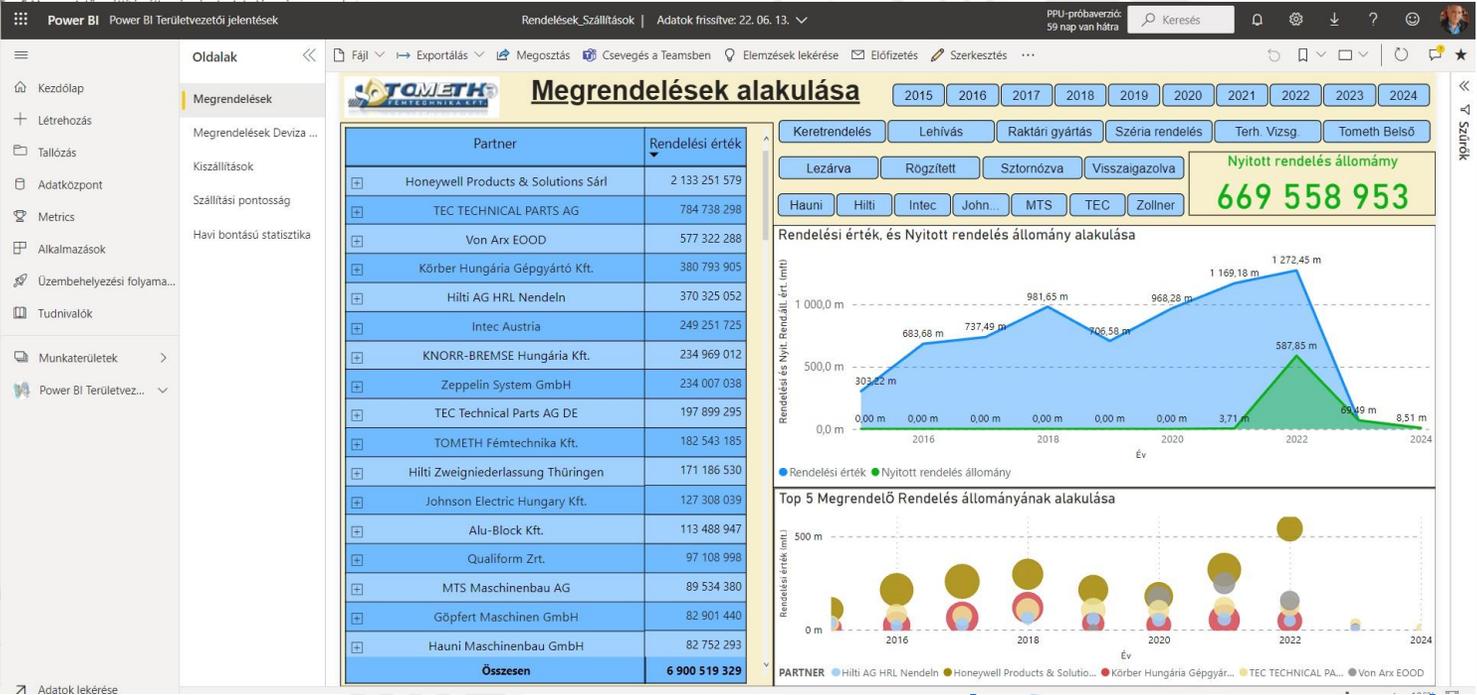
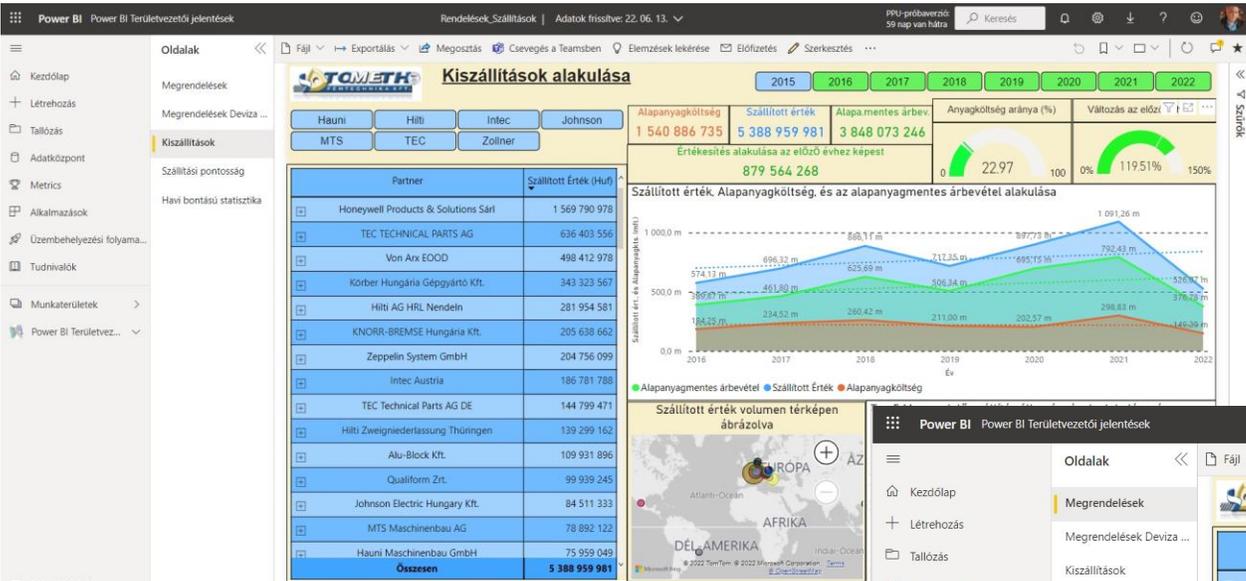
Vass Gábor 2022-06-13 08:58:46
 Vass Gábor 2022-06-13 08:01:58
 Vass Zoltán
 Gyártási szám: GYSZ28937

Műveleti utasítás Mappa Rajz Export Bezá

Tometh Bi solutions:



MS POWER BI solutions:



Köszönjük megtisztelő figyelmüket!

Thank you for your kind attention!

Danke für Ihre Aufmerksamkeit!

