

u.form
HOT STAMPING



1. [Corporate Structure u-form](#)
2. [U-form](#)
3. [Certifications](#)
4. [Plant Italy](#)
5. [Plant u-form Dislocation](#)
6. [Plant u-form Detroit](#)
7. [Plant u-form Poland](#)



Corporate Structure u-form

1. Corporate Structure u-form

1.1

TIBERINA

1.2

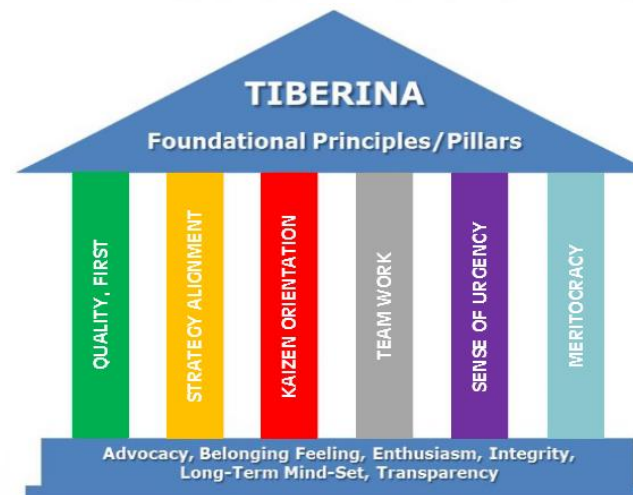

SUSTA
DIE CONSTRUCTION

TIBERINA

“Designed and built to favour the success of our Customer”

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- The Group bases all its activities on the pillars of quality, strategy and orientation towards continuous improvement, as well as on the importance of teamwork, a sense of urgency and meritocracy. The pillars in turn are firmly established on the foundations that are made up of a sense of belonging, enthusiasm for one's work, integrity, medium and long-term objectives and transparency towards one's clients and workers.



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Italy : Umbertide (PG)
Atessa (CH)
Pinerolo / None (TO)
Cassino (FR)
Suzzara (MN)
Pomigliano D'Arco (NA)
Melfi (PZ)

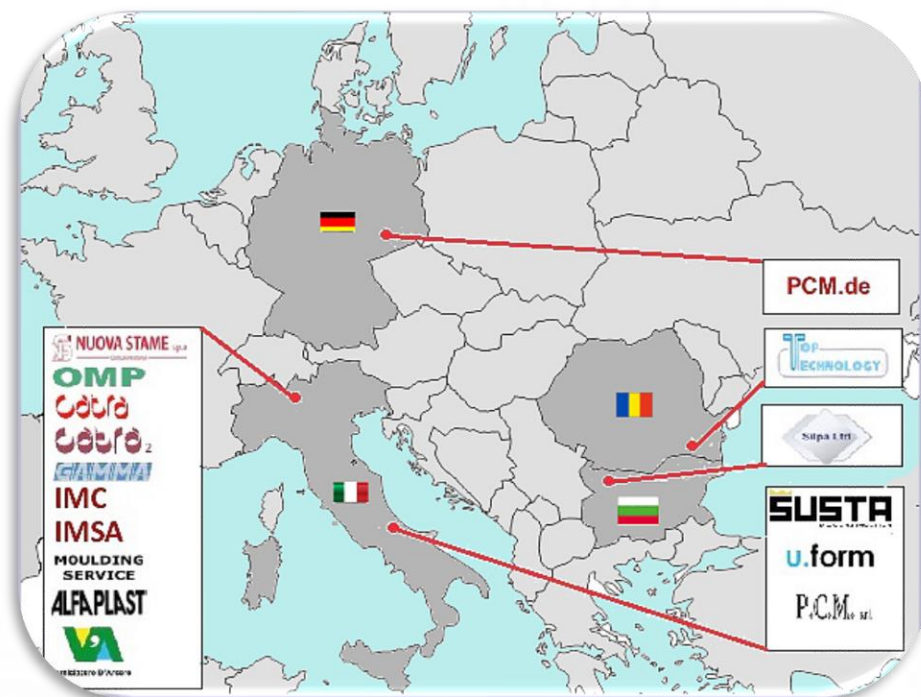
Germany : Bremen
Czech Republic : Bělá pod Bezdězem;

Turkey : Osmangazi – Bursa
Brazil : Juatuba – Minas Gerais
Goiana – Pernambuco
Argentina : Córdoba

- Our Mission is to accompany automotive companies engaged in the challenges of the future with our experience and flexibility, providing them with molds and equipment for hot and cold forging in line with the required standards: we shape your projects together.



- they share the core business with the other companies of the group that operate in northern Italy, Romania, Bulgaria and Germany, in continuous collaboration. A network of professionalism and a continuous technical exchange



U-form



u.form HOT STAMPING

2. U-form

U.form is an Italian company founded in 2013 with headquarters in Abruzzo, dynamic and constantly growing.

Our reference market is the Automotive and through the processes of hot stamping, laser cutting, Shot Blasting and welding we produce sheet metal components for motor vehicles for the largest car manufacturers in the world.

In addition to the main building located in Italy, Uform has two other displacements, one in Detroit and one in Poland.



FOUNDATION UFORM
We begin our activity with
one Press line



2013

2015



UPGRADE PLANT
We open a new plant



INCREASE IN PRODUCTION CAPACITY
Second line insertion



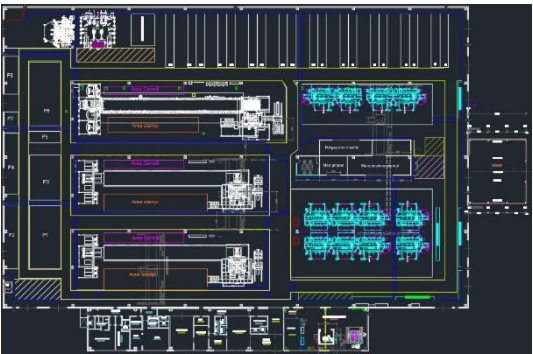
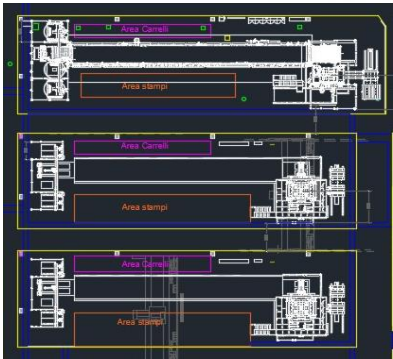
2018

2022



FURTHER INCREASE IN PRODUCTION CAPACITY

Third line insertion



FOUNDATION UFORM
We begin our activity with
one Press line

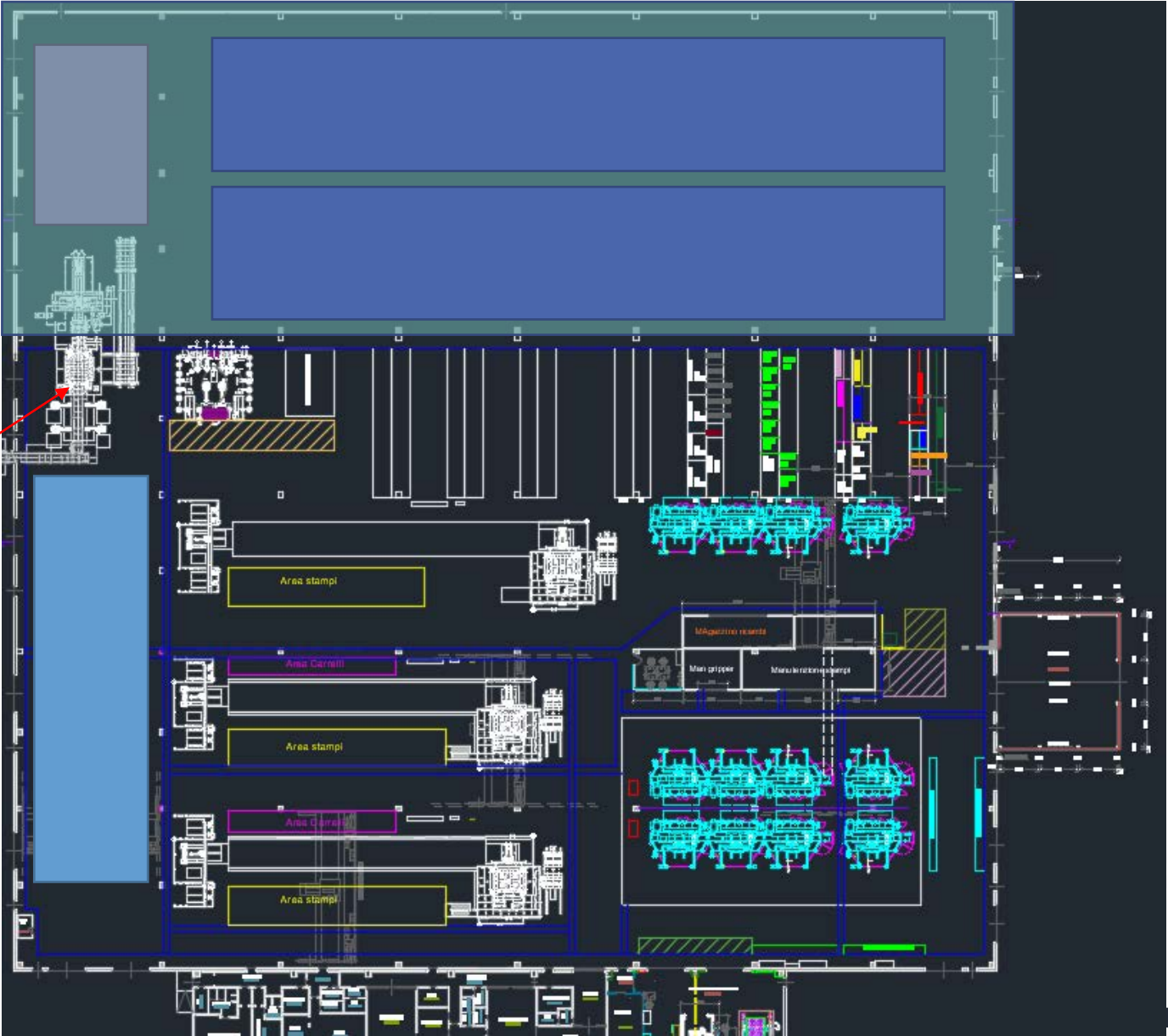


2023



Plant future layout

Blanking line



- Light blue area - Enlargment
- Coil warehouse
- Finished products warehouse
- Blanks warehouse

HF Line actual: 2

SAT Hot forming line 3- CW8/2022

Laser actual: 9

Laser 10 – RTC CW26/2021

Laser 11 –RTC CW30/2021

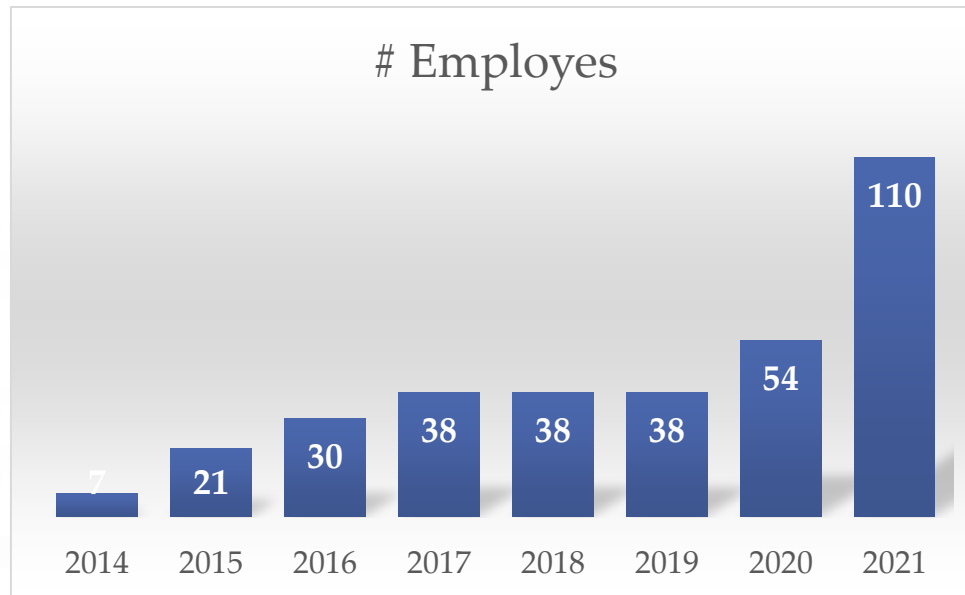
Laser 12 – RTC CW34/2021

SAT Blanking line - 1° semester 2023

Industrial warehouse expansion around 6000 m²– ready in 1° semester 2023

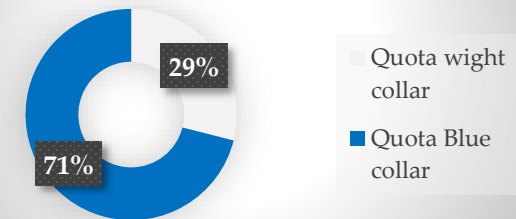
U-form Overview

Employees

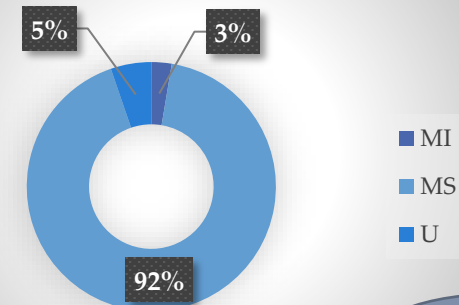


11 White
Collar

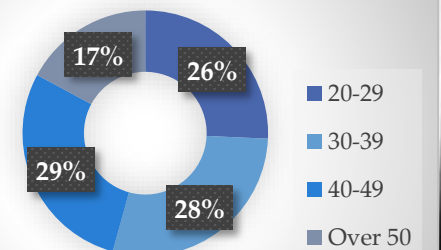
Distribuzione White/Blue collar
2019



Distribuzione istruzione 2019



Distribuzione Età 2019



Avg age 39

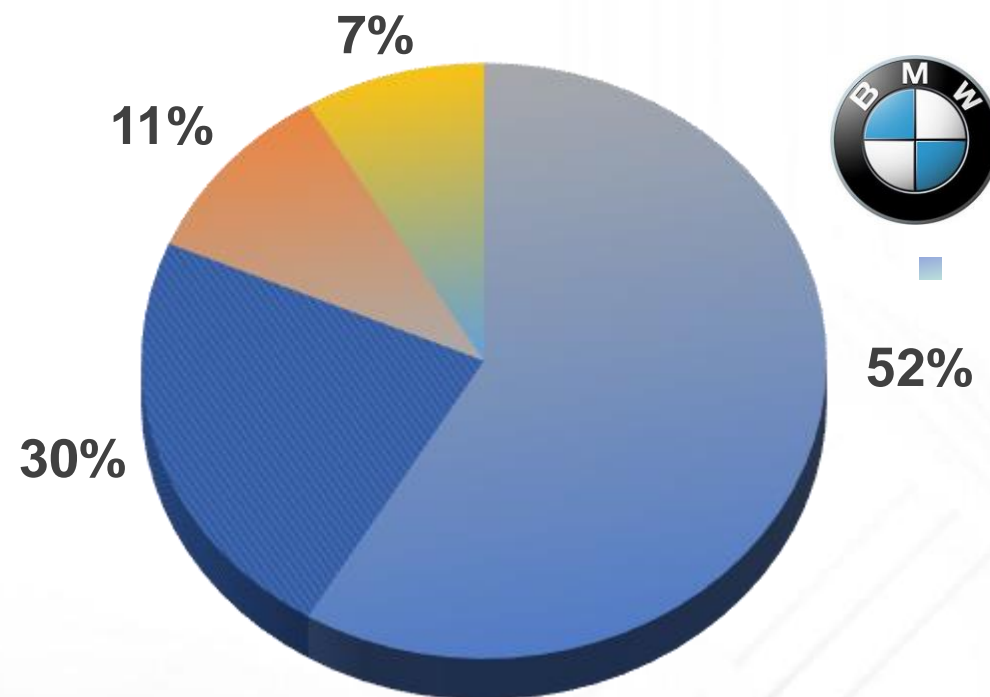
2. U-form

- Turnover 2021

TIBERINA

STELLANTIS

**LINDE+
WIEMANN**



2. U-form : Parts produced FCA



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Rear rail 952/949



Reinforcement Rear Rail
952/949



Beam Crossmember
link front 952/949



Sill M161



A-pillar 952



Tunnel Reinforcement
952/949



B-Pillar M161



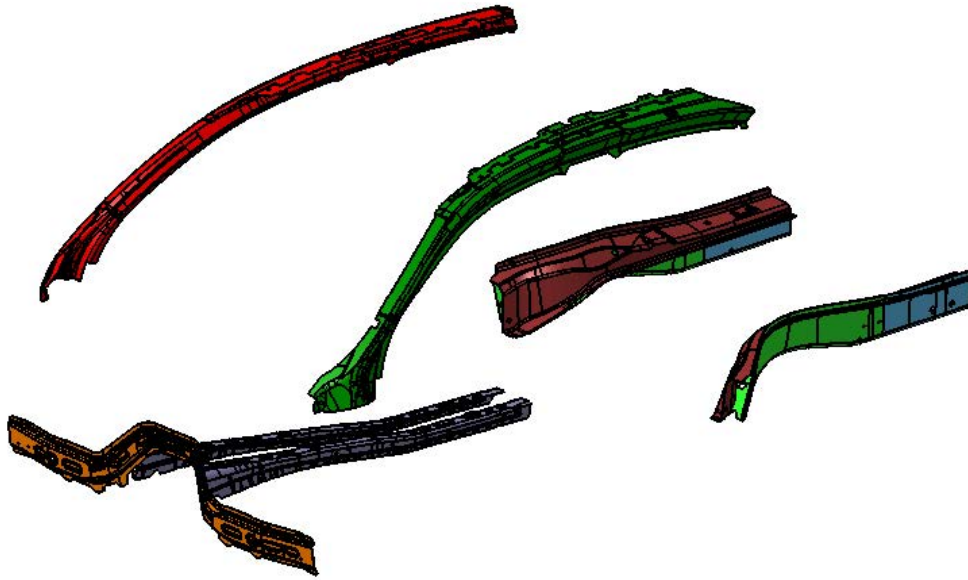
Door Beam Ant / rear 334



2. U-form : Parts produced FCA

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Project 949 Alfa Romeo



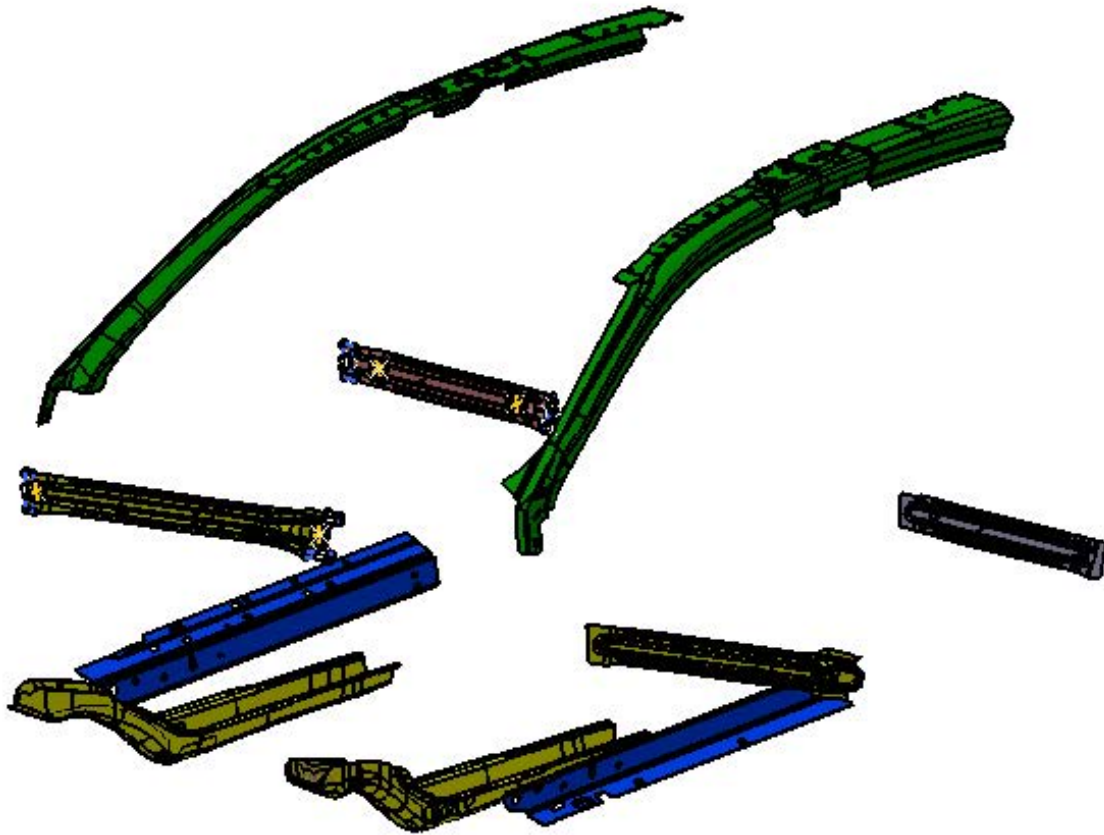
Project 952 Alfa Romeo



2. U-form : Parts produced FCA

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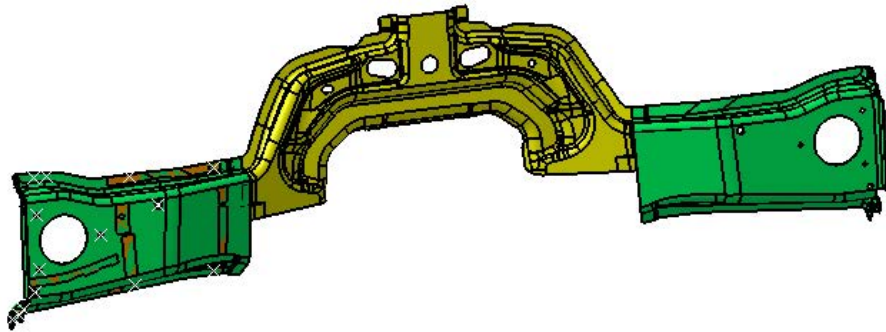
Project 965 Alfa Romeo 



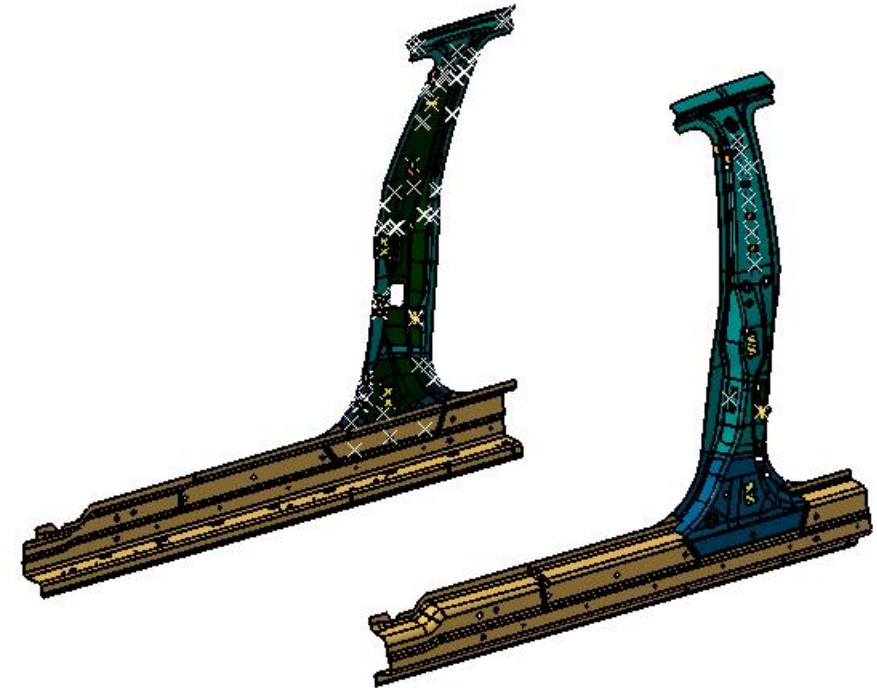
2. U-form : Parts produced FCA

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Project M189 Maserati



Project M161 Maserati



2. U-form : Parts produced FCA

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Project 332 Fiat



2. U-form : Parts produced FCA

Project FCA 560



Jeep

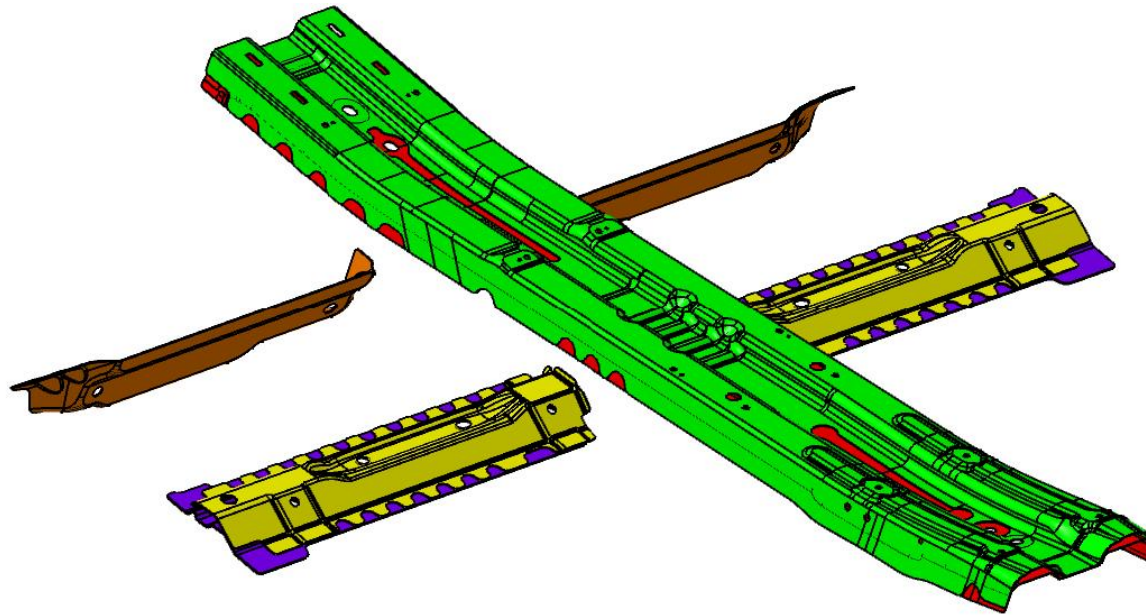


2. U-form : Parts produced Porsche

Project Porsche J1 

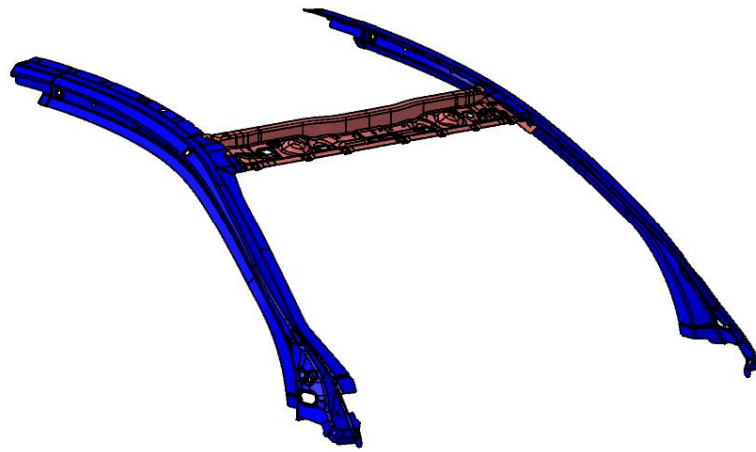


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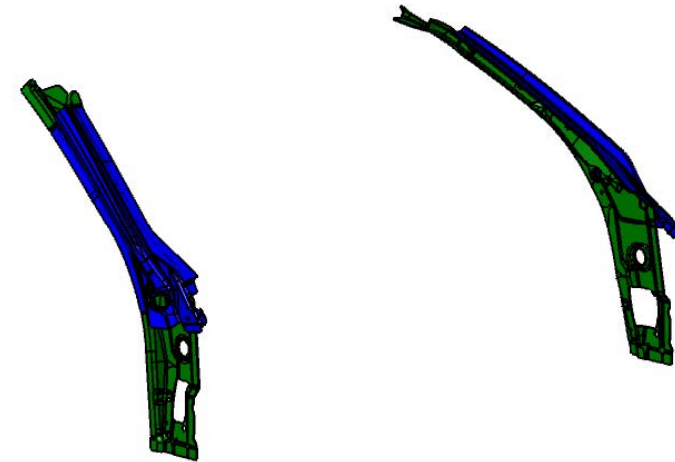


2. U-form : Parts produced BMW

Project BMW G22 



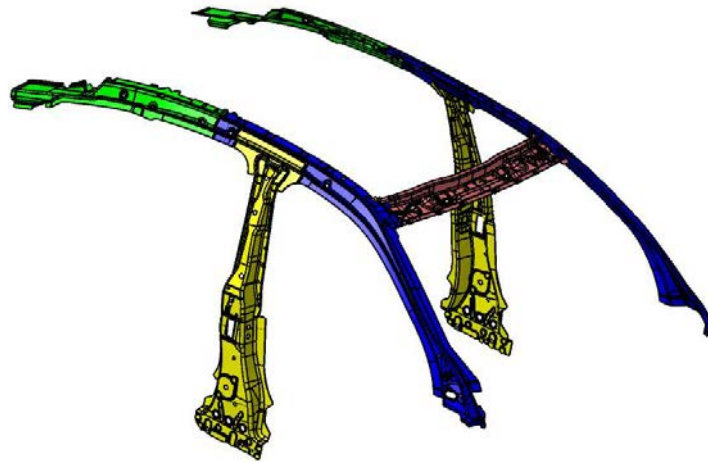
Project BMW G23 



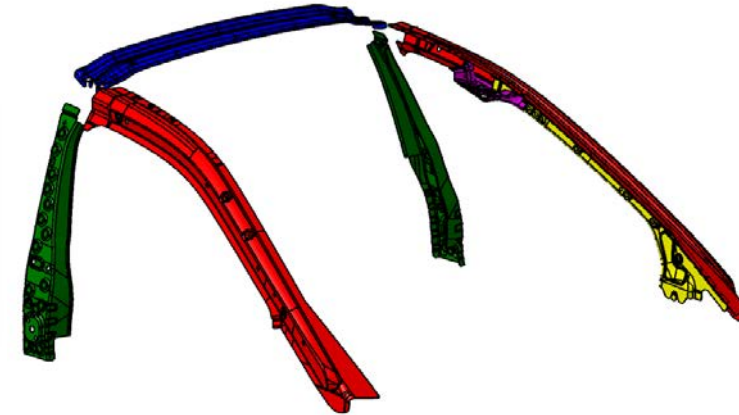
SOP 2020

2. U-form : Parts produced BMW

Project BMW G26



Project BMW I20



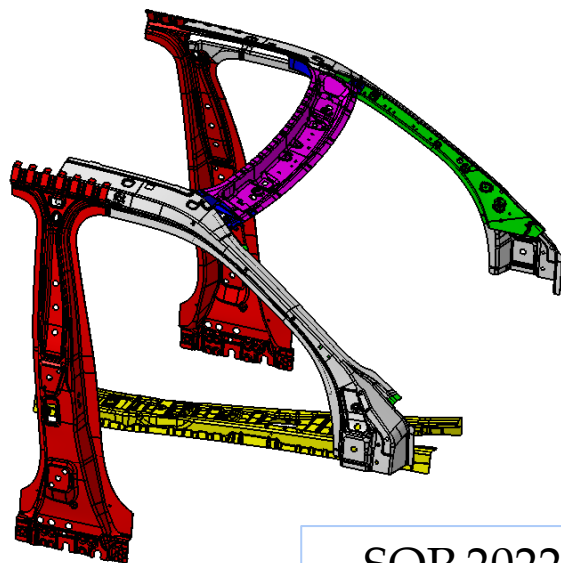
SOP 2021



2. U-form : Parts produced BMW

u.form
HOT STAMPING

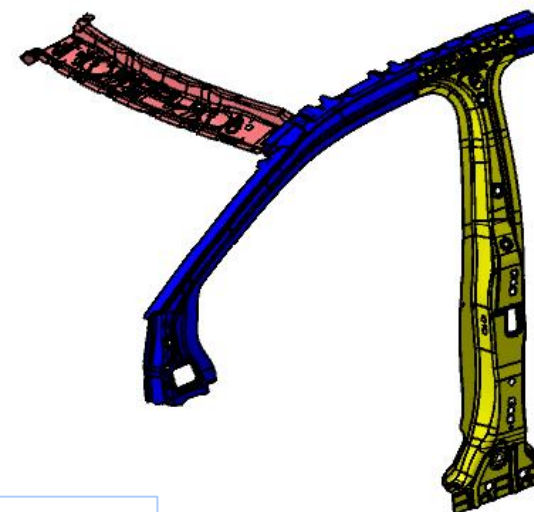
Project BMW G09



SOP 2022



Project BMW U06



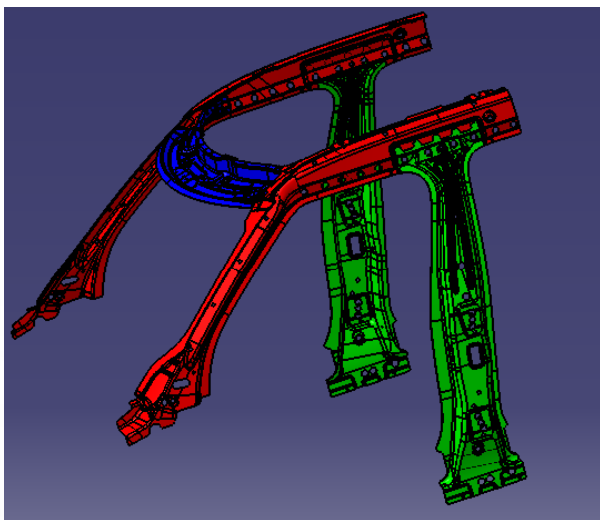
SOP 2021



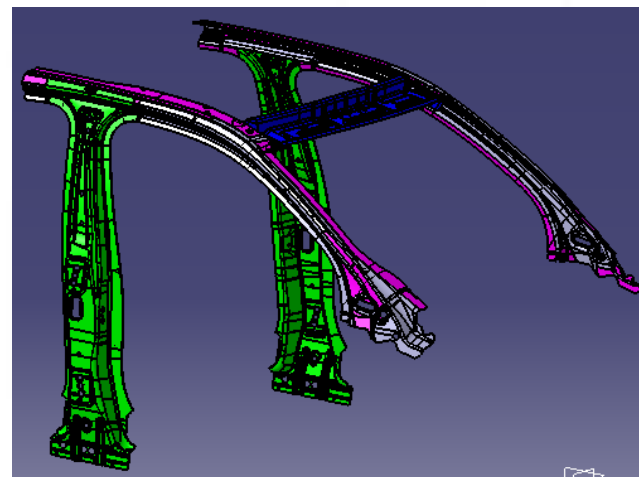
2. U-form : Parts produced BMW

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Project BMW U25



Project BMW U10

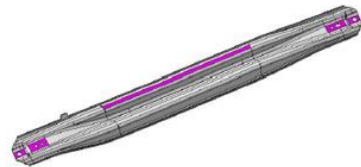


SOP 2023

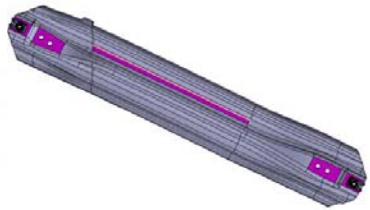


2. U-form : Parts produced BMW

Project BMW G60



Seitenaufpralltraeger vorne (right-left)



Seitenaufpralltraeger hinten (right-left)

SOP 2023





Certifications

4. Certifications



IATF 16949:16	:	Quality
ISO 9001:08	:	Quality Management
VDA 6.3	:	Process Quality Management
IT AEOF 18	:	Customs Simplifications and Security (AEOF)




Handwritten notes and signatures:
 Paolo Caporali
 U.FORM srl Hot-stamping
 (Maurizio Casavecchia)
 GLOBAL QUALITY PLANO WER TIGERWALD GROUP








5 Plant Italy


6. Plant Italy : List of equipment

HOT FORMING PRESSE

Presse	P-AP&T 1		
Bild			
Presskraft	1200 T		
Tischgröße	3000x2500 mm		
Automatisierung	AP&T speed feeders		
Pressenart	Hydraulic press		
Welche Bauteile	Hot formed AlSi coated blank and uncoated blank direct process		

Öfen		O-Schwartz 1	
Bild			
Hersteller der Anlage	Schwartz		
Bauart (Durchlaufofen, Kammerofen, usw.)	Tunnel roller furnace		
Beheizte Länge und Breite	34,5 m x 2,2 m		
Schutzgas inkl. Art Schutzgas	Dry air or CH ₄ +H ₂		
Kennzeichnung Bauteil / Platine	Marking by punch		
Bauteile	Hot formed AlSi coated blank and uncoated blank direct process		

Anlage	Vor Ofen	Nach Ofen	Nach Presse
			
Art der Automatisierung (Roboter, Feeder, sonstiges)	Speed feeder	Speed feeder	Speed feeder
Hersteller der Anlage	AP&T	AP&T	AP&T
Bauteil/Platinen Kennzeichnung	Marking by punch	/	/
Temperatur Kontrolle	Pyrometer for blanks and Thermal camera for drawn parts	Pyrometer for blanks and Thermal camera for drawn parts	
Sonstiges	/	/	/

Laseranlage	L-Next Prima power	L-XX	L-XX
<p>9 Laser Next 1530 3 laser more till 34/2021</p>			
Tischgröße	1056x2500 mm		
Laserart	Fibra 3000 W		

Anlage?



Transport der Bauteile

Suspended

Granulat

G110-G80 Mix

Messung Beölungsmenge

By part weight

Hersteller der Anlage

OMSG

Welche Bauteile

Universal

TECHNICAL QUALITY OFFER.

4. PRODUCTION DETROIT US.

4.6 4.6 Assembly systems (small assemblies, standard cells).

ZB-Anlagen
Assembly lines

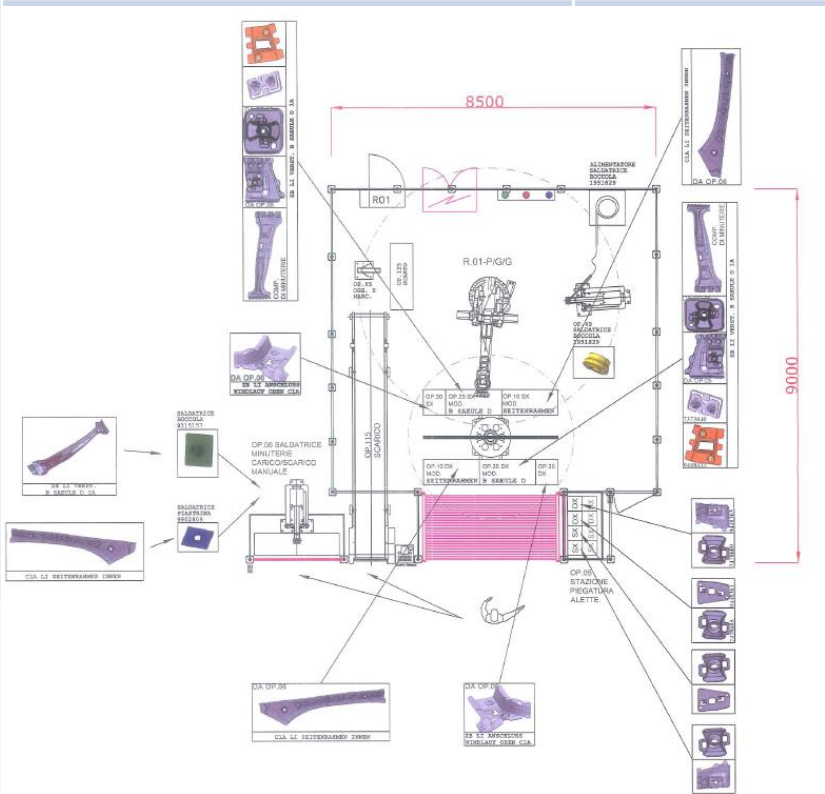
ZB-XX

ZB-XX



Bild
Ma

- 1x Seitenrahmen
- 1x Anschluss Windlauf
- 1x A.Saeule oben



6. Plant Italy : overview

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- Uform is equipped with two 1200 ton APeT molding lines with 32-meter schwarz tunnel ovens and obviously 8 latest generation prima-power lasers.



6.1 Plant Italy : Try-out line

- Our Try-out line:
- Idraulic press
- 830 ton
- 3200 mm x 2000 mm table
- Slide run 1400 mm
- BSN Step Furnace

**THIS LINE IS PARTICULARLY
USED FOR THE ROTOTYPE
PRODUCTION**



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6.2 Plant Italy : Laboratory tests

- **CMM Machine**

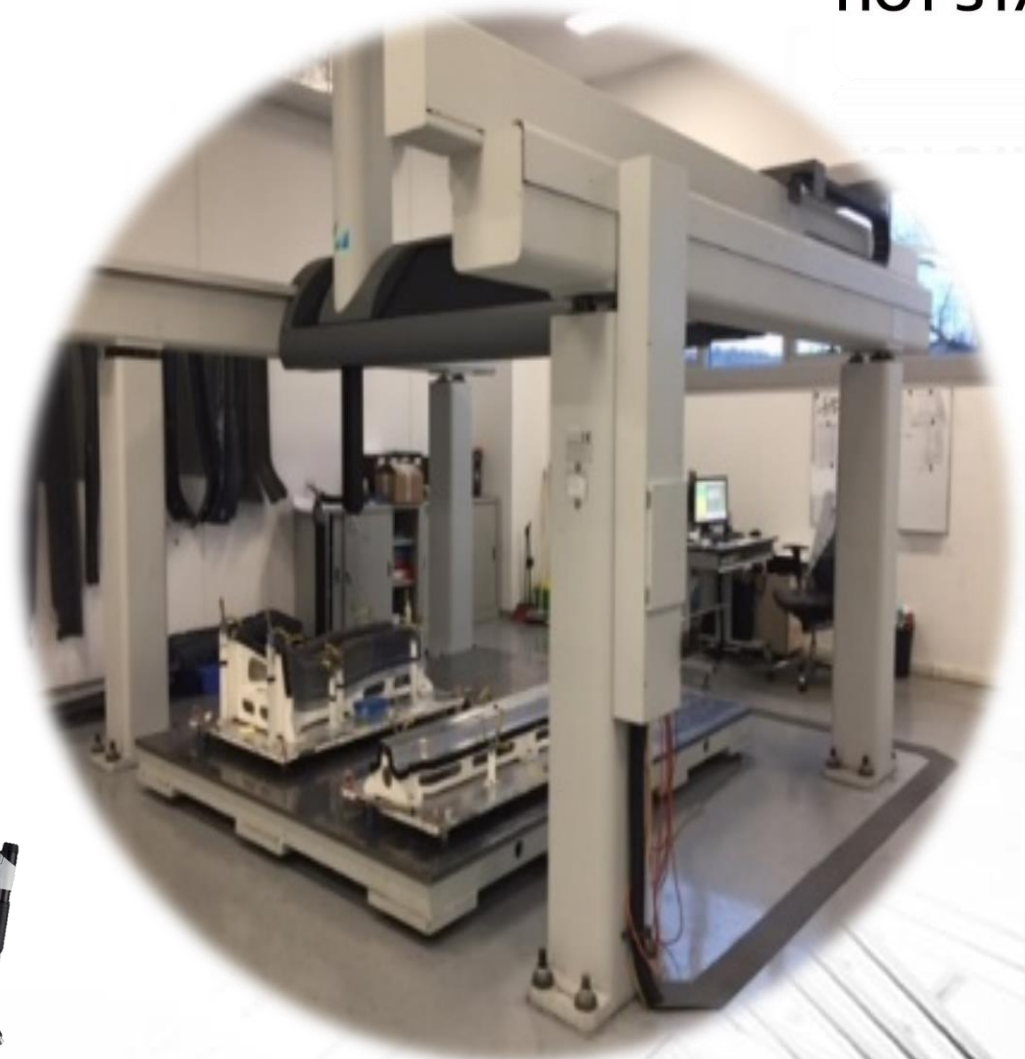
Hexagon CMM machine
3300x2000x1500mm, suitable
for the measurement of
details in vehicle
configuration.

- **Romer laser scanning**

Used for the certification of
the geometry of the deep
drawn parts

- **Thinning measurement**

According to the
simulation we measure
the thinning in the critical
zone



6.2 Plant Italy : Laboratory tests

- **GOM**

Automatic 3D laser Scanner

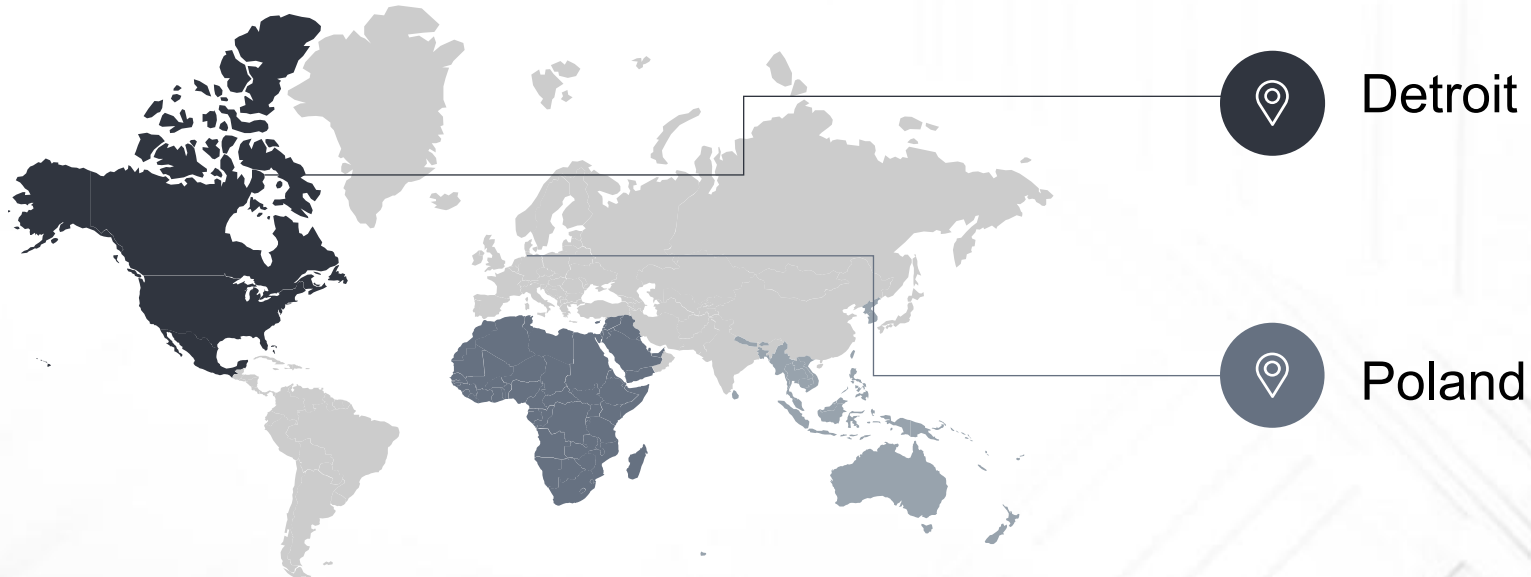
- 1- High measurement speed
- 2- Possibility to measure many parts for each batch
- 3- Automatic capability
- 4- High measure accuracy



Plant u-form Dislocation

7. Plant u-form Dislocation

- The corporate reorganization processes dictated by the needs of the production market are increasingly articulated through the dislocation and break-up of the company, factors that actually expand the competitive capacity of the company.
- Precisely because of these processes u-form is expanding its boundaries by reaching:



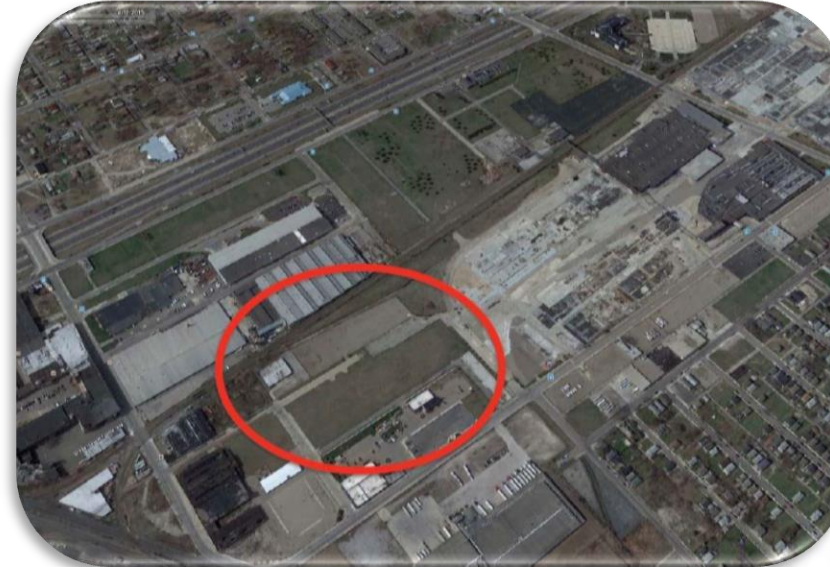
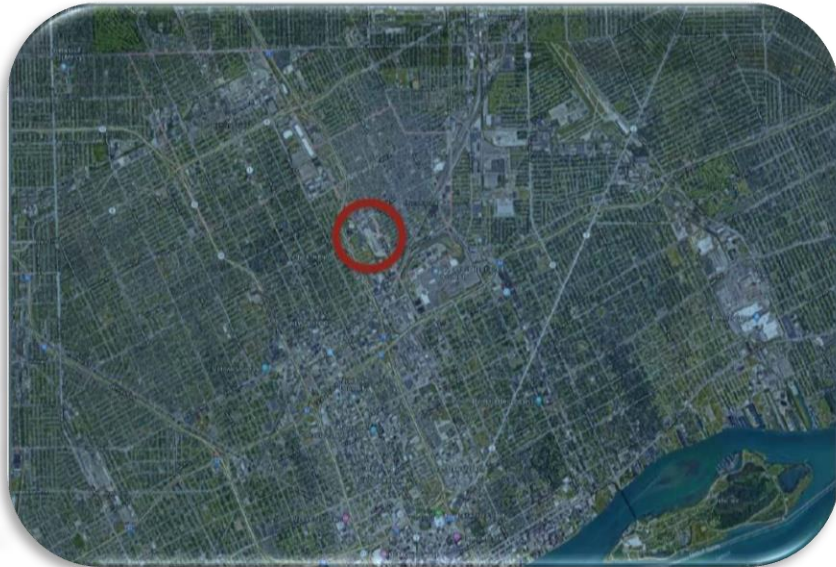


Plant u-form Detroit



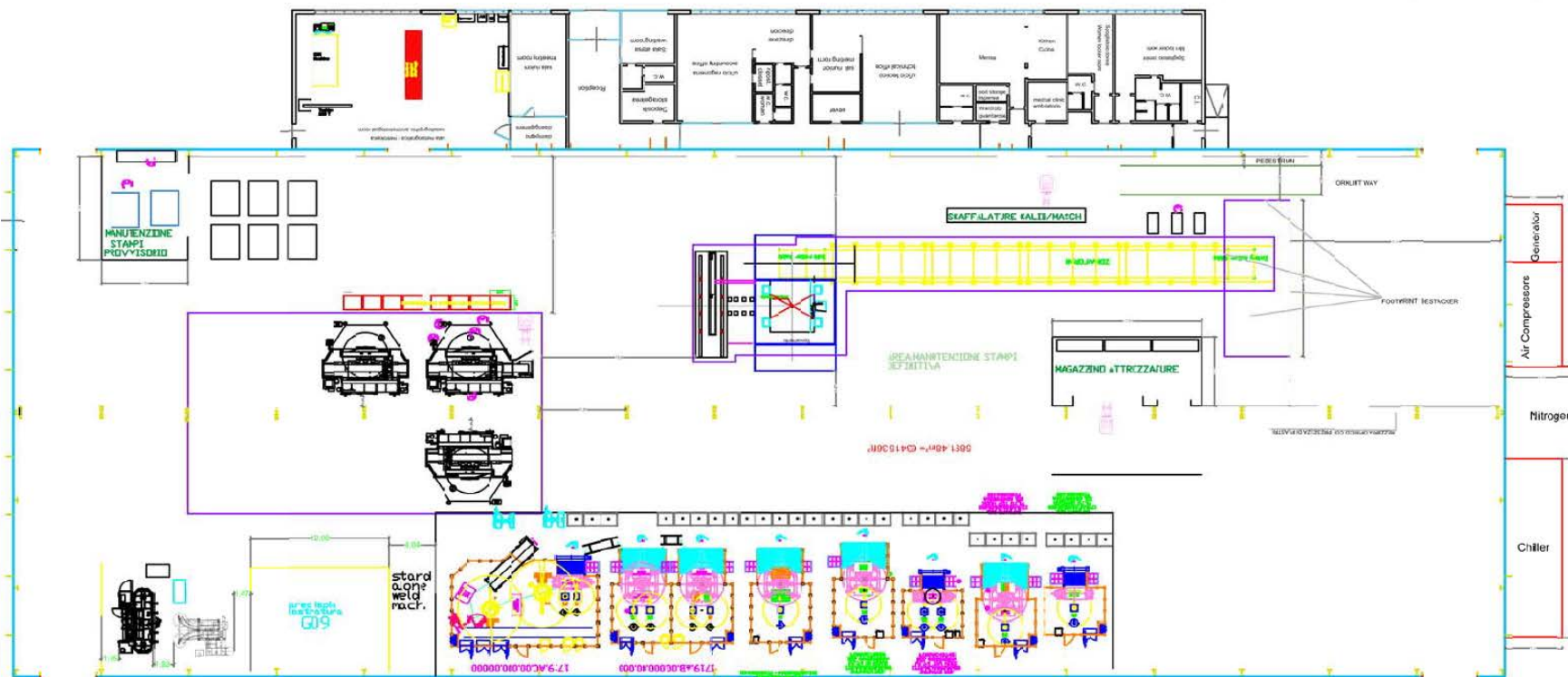
8. Plant u-form Detroit

- The building in Detroit is located in St.Aubin Street



8. Plant u-form Detroit

- Planimetry Machinery Location and Scheme exhaust



8. Plant u-form Detroit

Inside the structure there are:

- Laser;
- Press;
- Oven
- Shot Blasting/oiling
- Welding cells





Plant u-form Poland

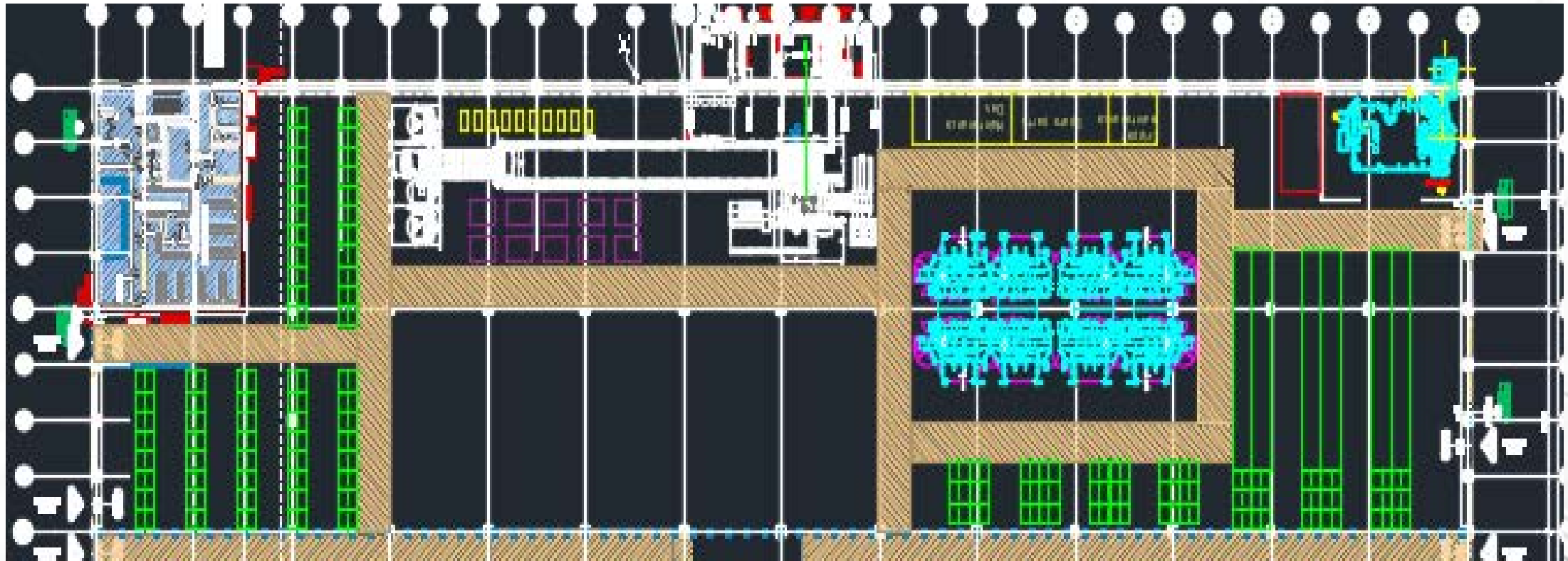


U.form

Poland

COMING SOON

9. Plant u-form Poland



9. Plant u-form Poland

Costruction Planning

	Week
GROUND ACQUISITION	the land is secured
FACILITY/BUILDING DESIGN	15 January 2021 (designing is in advanced stage)
CONSTRUCTION PERMITS	15-28 January 2021
BUILDING CONSTRUCTION KICK-OFF	1 March 2021
GROUND WORKS COMPLETED	30 April 2021
BUILDING FUNDAMENTS COMPLETED	15 May 2021
BUILDING STRUCTURE/PILLARS COMPLETED	10 June 2021
BUILDING ROOF AVAILABLE / FACILITY IS COVERED	10 July 2021
BUILDING WALLS AVAILABLE / FACILITY IS CLOSED	30 July 2021
EARLY ENTRY TO PRODUCTION BUILDING	15 August 2021
SERVICE INSTALLATION COMPLETED	15 September 2021
OFFICES AVAILABLE	15 September 2021
ALL CONSTRUCTION COMPLETED - Occupancy Permit	30 September 2021

Machineries Planning

	Week
HF LINE SAT	April 2022
LASERS SAT	April 2022
SHOT BLASTING SAT	April 2022



THANKS