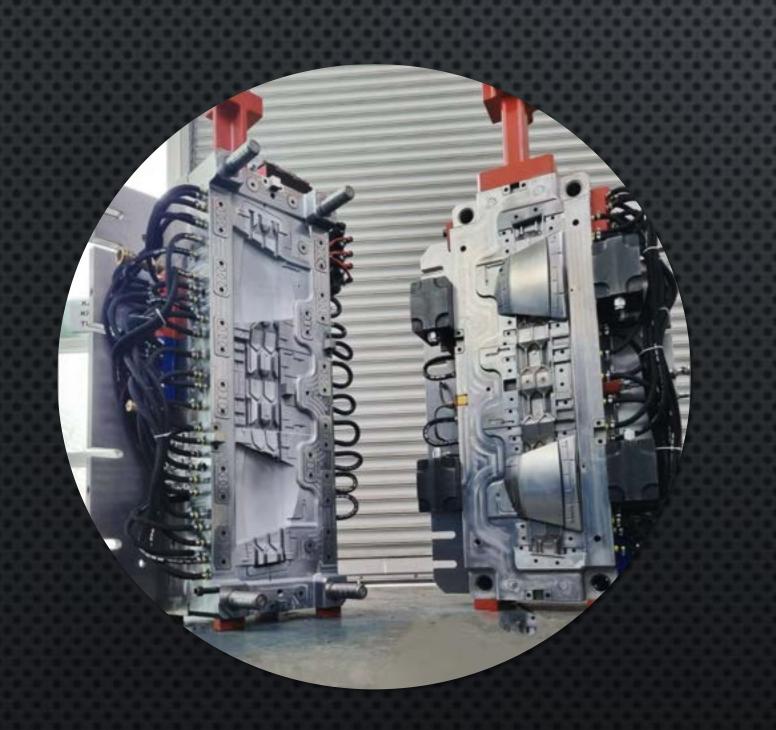




OPTIMUM MOLD

YOUR RELIABLE PARTNER







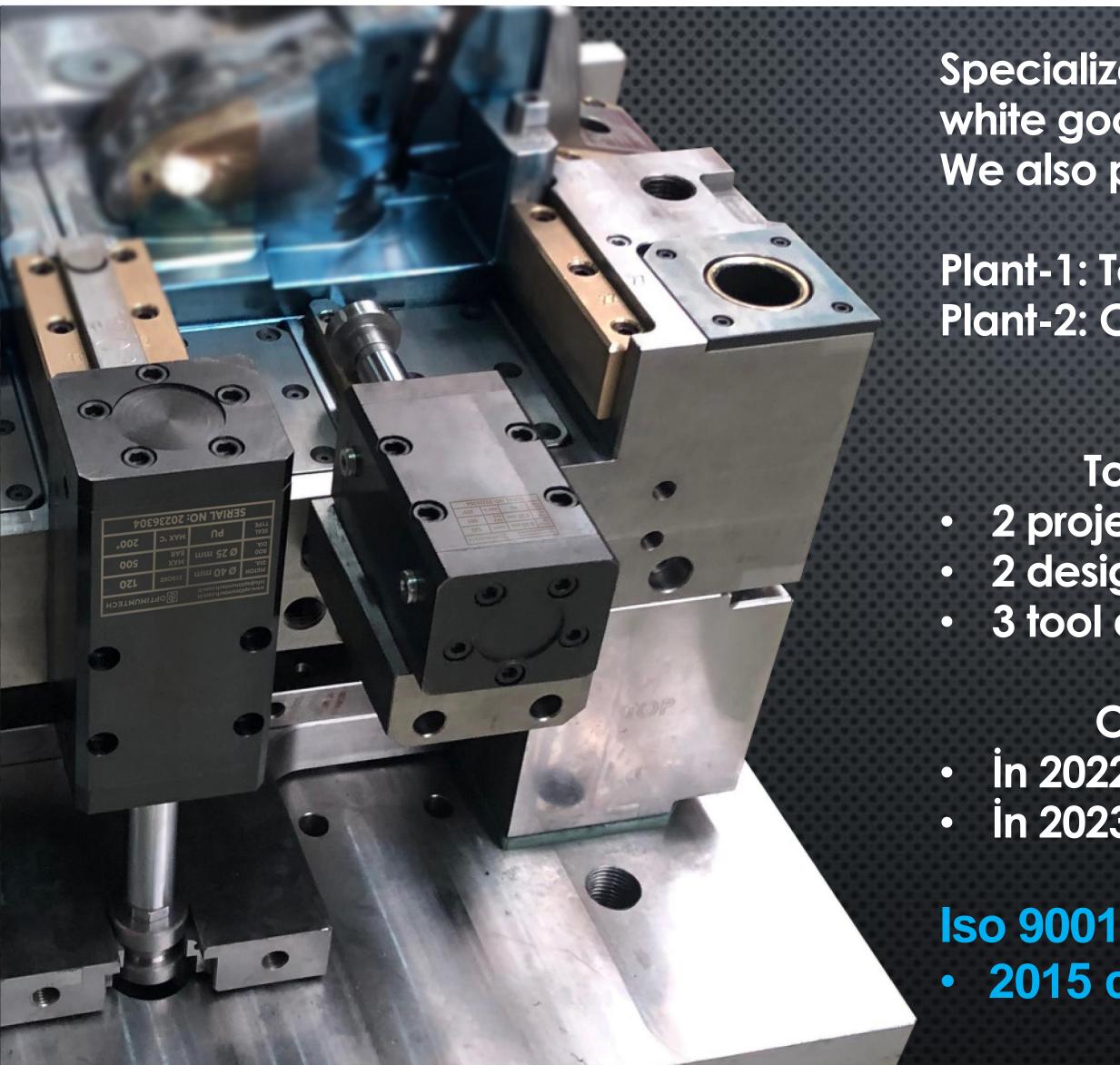






Kocaeli / Türkiye

ABOUT US





Specialized in making automotive, white goods and electrical part molds. We also produce hydraulic cylinders inhouse

Plant-1: Toolmaker + Hydraulic producer = 500 m2 (13 person) = 1.000 m2 (13 Person)Plant-2: CNC Milling area Total = 1.500 m2 closed area

Total 26 employers; • 2 project engineers (2 English) • 2 designers (1 English) • 3 tool assembly team + 1 polish technician

Our total turnover; • İn 2022 will be about 1 million euro İn 2023 estimation 2 million euro

2015 certified





OUR ABILITIES

We make Mold Production with High Quality and Short Delivery Time;

- Plastic Injection Tooling
- Modifications,
- Prototype tools, Overmold tools,
- High Gloss tools and Optical Tools.
- Especially Automotive Lightining Tools
- Preparing Quotation very quickly
- Prepare DFM Report with first 3D data (max 1-2 week)
- Mold Flow Study Step-1 and Step-2 (Cooling, Filling, Warpage)
- Mold weigth up to 20T max tool size: 2.400x 1.500 mm
- General tonnage from 50T to 1.000T injection press









COMMUNICATION & TRANSPORT : Easy to Handle

Max. flight time from Istanbul to Germany is 3 hours and there are 2 international airports in Istanbul. Truck transports by road, ferry or flight Maximum transport time: 8 days (1 or 2 days for customs clearance) Cost of whole truck \approx 3000,- to 3500, - \in













Ferry / Train / Road









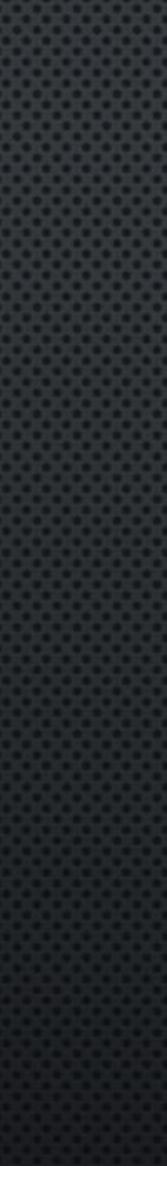
TOOLQUOTATION

OPTIMUMMOLD TOOL QUOTATION

	-										
	İmes Sanayi Sitesi D9 Blok No:2 Dilovası / KOCAELİ										
	0(262) 502 02 02										
WEB	DATE: 11.07.2023										
PROJECT		REF: 2023-101_REV00									
No.	Descriptlion	Part View	Cavity Number	Mold Base / Cavity Core Steels	Grain Type	Gate Type	Tool Lea (After appr	Tool Price			
1	Map Pocket Upper LEFT / RIGHT		1+1	Set:1,1730/ Çelikler 1.2738 HH 33-37HRC	P192	Hot runner, Manifold with 1 DROP OPEN GATE PER PART HRS	16 WEEKS		0		
	Map Pocket Lower Plastic LEFT / RIGHT		1+1	Set:1,1730/ Çelikler 1.2738 HH 33-37HRC	P192	Hot runner, Manifold with 3 DROP VG PER PART (3+3 TOTAL) HRS	18 WEEKS		0		
	Pull Cup Support Bracket Plastic LEFT / RIGHT		1+1	Set:1,1730/ Çelikler 1.2738 HH 33-37HRC	n/a	Hot runner, Manifold with 1 DROP OPEN GATE PER PART HRS	14 WEEKS		0		
5	Pull Cup Screw Plug (9854094980 00) LEFT / RIGHT		1+1	Set:1,1730/ Çelikler 1.2738 HH 33-37HRC	P192	Hot runner, Manifold with 1 DROP OPEN GATE PER PART HRS	10 WEEKS		0		
6	Trim Latch RIGHT		1	Set:1,1730/ Çelikler 1.2738 HH 33-37HRC	P130	Hot runner, Manifold with 1 DROP OPEN GATE PER PART HRS	18 W	EEKS	0		
								Total	0		
	(\$ / AÇIKLAMALAR :										
	Payment terms: 40% with PO		-		approval						
	Price quoted including T1, T2,										
	Price does not include any GF		-	-							
	Spare parts are optional at add		included in	this quote.							
	Quotation Validity: 30 days on	-									
	Mold warranty covers 1-year a			ty is only valid when	customer mal	kes regular maintenance					
	Raw material, resin for Tryout	-									
8	Our quotation is prepared acco	ording to current 3D data	and information	ation if you send us r	new data we v	vIII update our quotation					
OPTIMU	MTECH										
	AYAR / Gsm: +90 535 378 26 63										







CERTIFICATES & SOFTWARES





OPTIMUM KALIP TASARIM MAKINE SAN. VE TİC. LTD. ŞTİ.

CERKESLİOSB MAH. IMES-17 CADDE NO:9 DİLOVASI/KOCAELİ/TÜRKİY

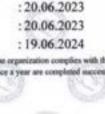
ISO 9001:2015

MANUFACTU EQUIPMENT, FITTINGS FROM PLASTIC, CONVEYOR

hate of Initial Registra Date of Certificate Date of Expiry ate is valid antil the end of the three-year cartification period if the organization complies with the or



General Manager sigmacert



MTS-31371

CAD

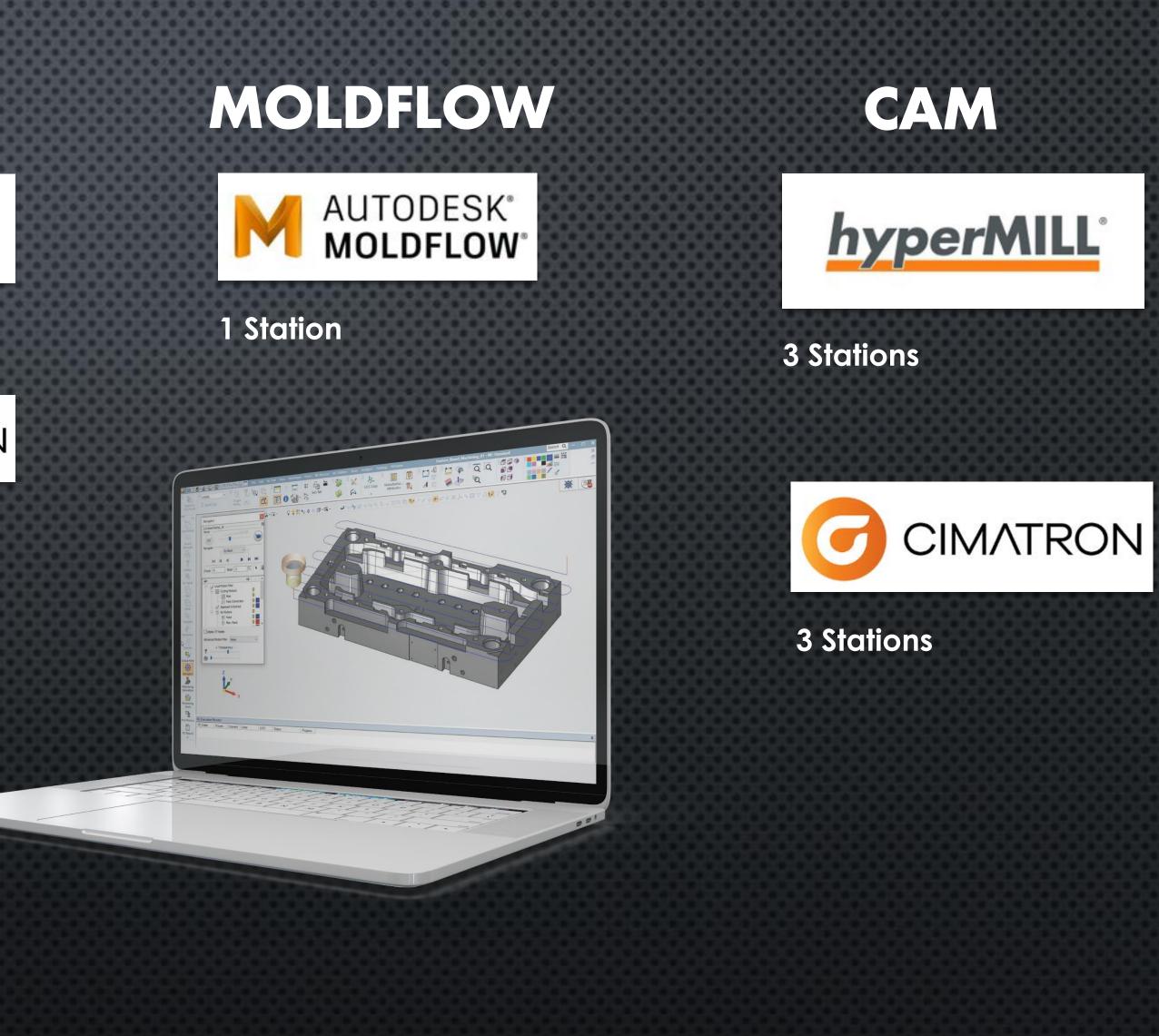


2 Stations



3D Tool







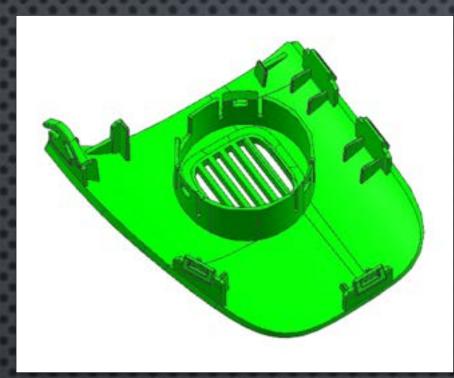


DFM Report and Part Feasibility

Part Informations

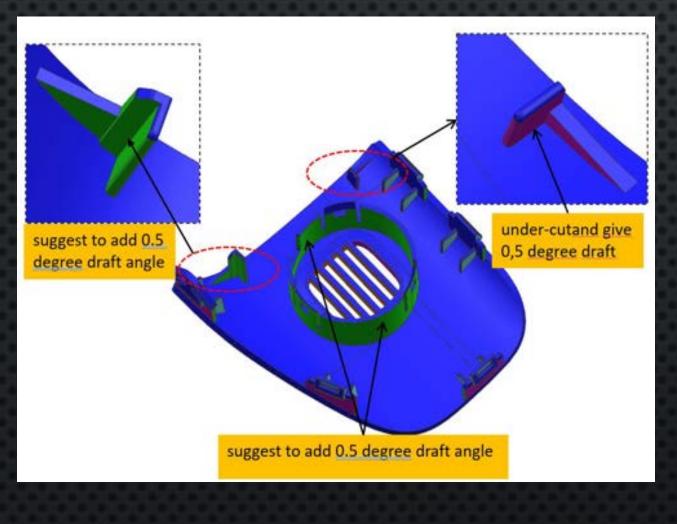
- Material Type: PP-TD30
- Injection Machine Inform: 250T
- Shrink Selected: %0,16
- Cavity: 2
- Part Size: 68.92X66.51X36.87
- Average Part Thickness: 2.5mm

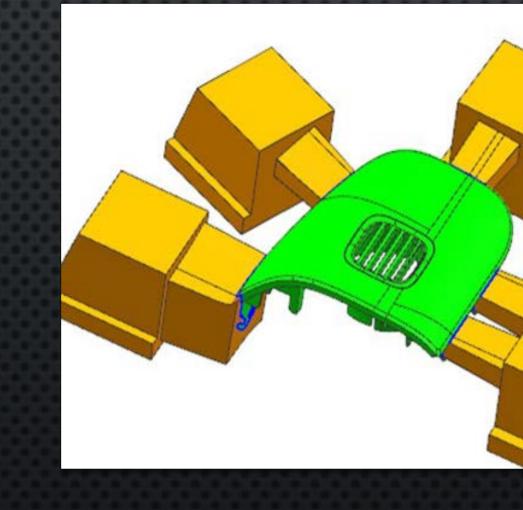
Part view



Draft problems

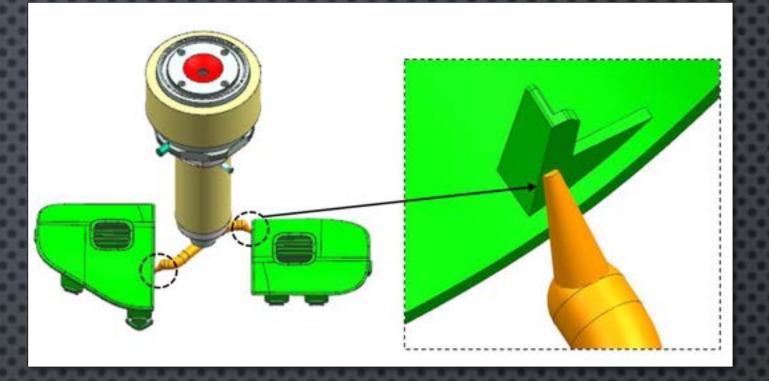
Sliders Consept



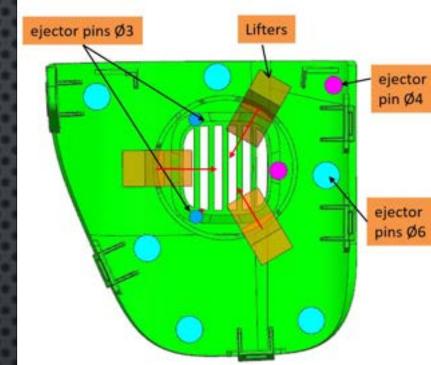




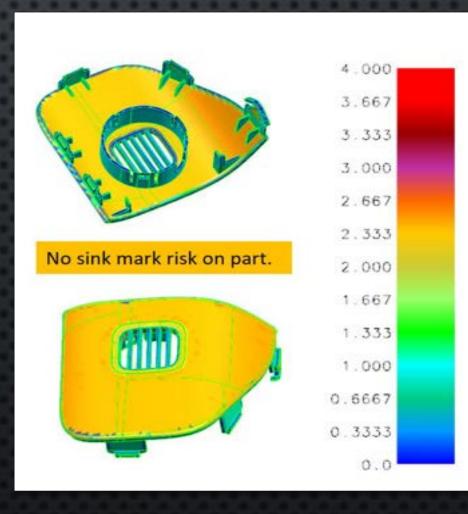
Gate Locations



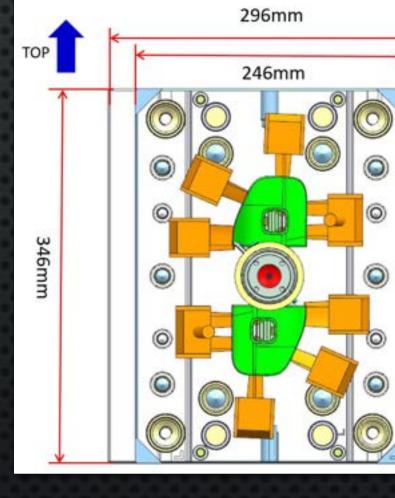
Ejectors



Filling Study



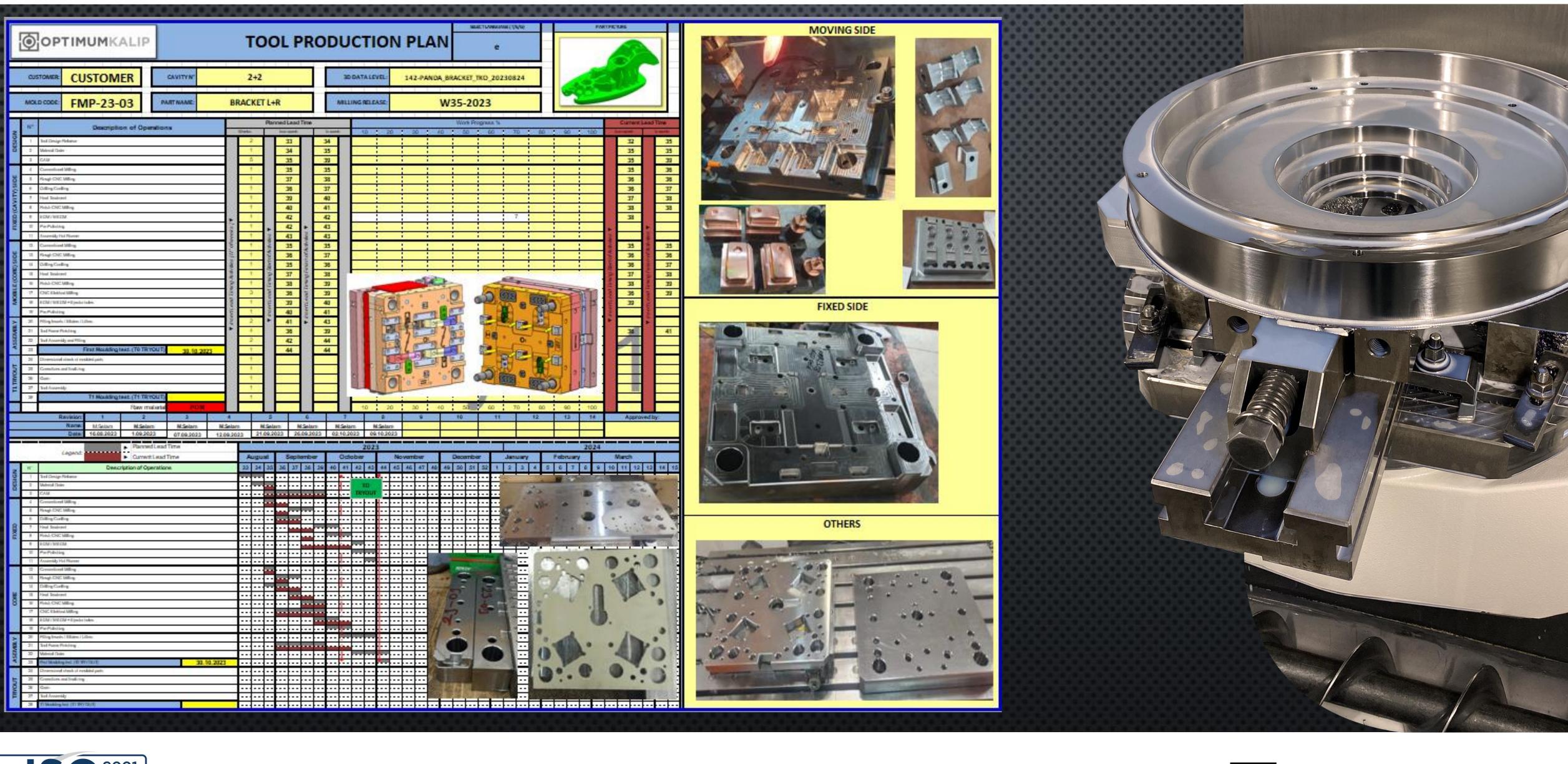








TOOL PLAN







CNC MACHINES



HERMLE C650

X:1050mm Y:900mm Z:600mm

18.000 rpm 1500 kg Table Load

GF MILL P 800 U X:800mm Y:800mm Z:500mm

20.000 rpm 1000 kg Table Load



YCM NMW 106 A

X:1060mm Y:600mm Z:600mm

12.000 rpm 1000 kg Table Load







CNC MACHINES



YCM NDC 3016 B

X:3200mm Y:1600mm Z:954mm

10.000 rpm 10000 kg Table Load Model Year: 2016





HAIMER

Tool Dynamic Preset Microset (for Balancing and Presetting)

YCM NDC 3016 B

X:3200mm Y:1600mm Z:954mm

10.000 rpm 10000 kg Table Load Model Year: 2022







EDM & CONVENTIONAL MACHINES



EXCELLENT ZNC 760







LATHE & SURFACE GRINDING MACHINES



OKUMA GENOS L3000-e **CNC** Late

TOS SN50 LATHE 500x1500 + Digital Scale







INVESTMENT DONE

MAKINO D800Z **5 AXIS MACHINE JULY 2024**





SXKH SPOTTINGPRESS 120T 1.400 x 1100 x 1470 mm **DECEMBER 2023**

DECEMBER 2023







INVESTMENT DONE

GF MIKRON G800 5 AXIS CNC MACHINE NOVEMBER 2023



SODICK WEDM ALC 600 GH 600x400x500 mm









2024 INVESTMENT PLAN

GF MIKRON VCE 1000 3 AXIS CNC MACHINE DECEMBER 2023





ENGEL 300T INJECTION MACHINE

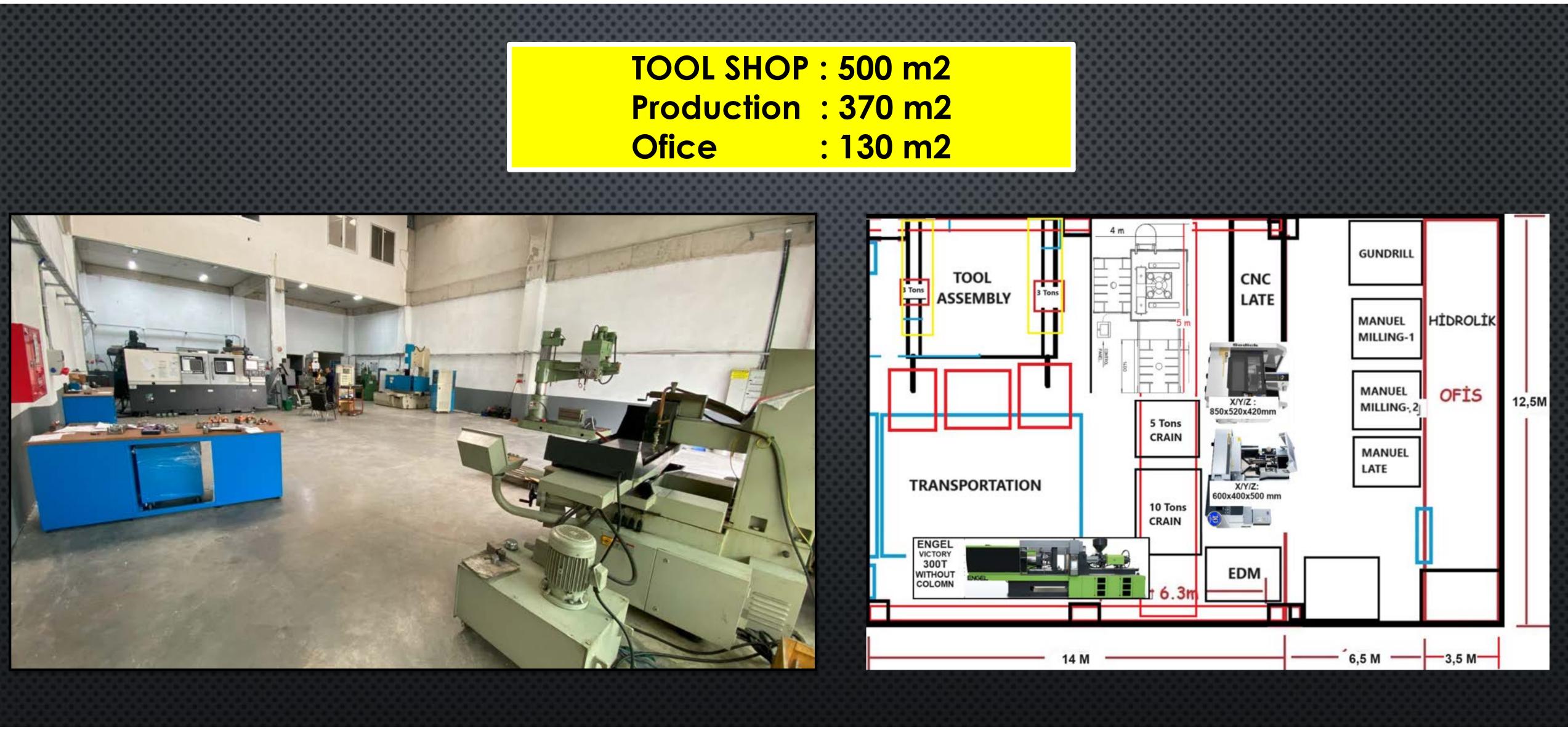








TOOL SHOP









TOOL TRYOUT DOCUMANTATION

					Diperind LD - HYDRAULIC - PLASTIC Injection-Molding Set-Up / Plastik Enjeksiyon Proses co Code alip Kodu FMP-23-01 Part Name Parca Adr REAR FRAME Tyout Date Dename Tarihi 27.12.2022 aw Material sem adde Adr PP Party Adjring 401 gr/401 gr Cavity Number Kalip Gdd Sayses 2
Customer:					Injection Conditions / Enjeksiyon Şartları (Proses Şartları)
Tryout Machine: 650 T KM			Raw	Material: PC-ABS	njection Machine /Enjeksiyon Makinası : ASIAN SUPERMASTER SM1250PV
Tool Dimensions(mm): 646x545xx450 Tool Weigth(T): 1.5 T					emperatures /Sicakliklar : 240
Part Weight(g): 235 or	TOOL TRYOUT REPORT				
PROBLEMS	ACTIONS	T0 T1	T2 T3 T4	T5 T6 T7 T	240 235 230 225 220 215 210 Dever / Time / Temp. 240 235 230 225 220 215 210 Dever / Time / Temp. Kurutma / Sure / Sicaklik MAKINA KUSURLARI PARÇA KUSURLARI PARÇA KUSURLARI
Picture Explanation	Action Resp. 18	LNis 28.Nis	141		
1 Nozzle valves pins adjus	ment We will check Valve gate pins step OPTM	х ок			Accession Scientific Scient Accession Scientific Scient Scientific Scient Scientific Scientific Scient Scientific S
Lifter not aligned.					Add and Positions/ Mal Alma Positions/ Malma Positions/ Mal Alma Positions/ Mal Alma Positions/
2 Hairs due to the not correct position	lifter We will correct lifter posiiton	XOK			6 5 4 3 2 1 5 4 3 2 1 ijection Pressures/ Enjeksivon Basingtan 90
					Impaction Speeds/Englision Fluidant 30 30 15 10 Impaction Speeds/Englision Fluidant 4-dn 7-dn 9-up 2-dn 5-up Impaction Speeds/Englision Fluidant Injection Speeds/Englision Fluidant 30 30 15 10 Impaction Speeds/Englision Fluidant 4-dn 7-dn 9-up 2-up Impaction Seeds/Englision Fluidant 10 Impaction Seeds/Englision Fluidant 1-dn 3-dn 1-dn 2-up 1-dn 3-up Impaction Seeds/Englision Fluidant 1-dn 3-up Impaction Seeds/Englision Fluidant 1-dn 3-up Impaction Seeds/Englision Fluidant 1-dn 3-up Impaction Seeds/Englision Fluidant 1-dn 3-up Impaction Seeds/Englision Fluidant 1-dn 3-up Impaction Seeds/Englision Fluidant 1-dn 3-up Impaction Seeds/Englision Fluidant 1-dn 3-up Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Seeds/Englision Fluidant Impaction Fluidant Impaction Fluid
Not good fitting in central	We will replacement both inserts from				Enjeksiyon hizi 6-dn 1-dn 8-dn 6-up 5-dn 1-up
3 Injection area (risk of mate leak)	HRS OPTM	X OK			Main Main
here are AIR Trap and gas	on Venting channels from ejectors and				isiding Time/ Ütüleme Zamanı 2 <th< th=""></th<>
4 handle area	stamping holes for gass	XOK			VALF GATE Time/ Zamani 0 0 0 0 0 0 0 0 0 0 0 0 1 Hot Rumer Temp. 240 Toplam cerim 1 4-dn 4-dn 5-dn 7-dn 7-dn 1
					Machine/ Makine Receiving Pat. Pat. Cooling Ejectors Position Total Cycle Time Pat. Open Cooling Ejectors Position Total Cycle Time Pat. Open Conditio Otiliteme Soguma Total Cycle Time Pat. Open Conditio Otiliteme Soguma Total Cycle Time Pat. Open Conditio Otiliteme Soguma Open Column Cervin Soguma Open Column Cervin Soguma Open Column Cervin Soguma Open Column Cervin Soguma
					Open Close Mal Alma Conditio Utileme Sogutna Itici/Sekleme Toplam Cevrim 6-up 6-up 6-up 4-up 8-up 6-up 6-up 8-up 10-up 6-up 6-up 4-up 8-up 6-up
5 Tool Labels missings	We will prepared tool labels OPTM	хок			Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes Yes Yes <
	Savta	1			
	Javia				Any basis da yolluklar dengeli deluyor mu?
	5				-Does it stay in half balanced filled and fill the cavities even?
6 Tool parkings legs not rea	lys We will prepare legs OPTM	хок			-Does it stay in full pressure and fill the eyes even? am bask de kelp gözleri dengeli doluyor mu? X If no, the reason?/ Hayr ise nedeni M Car kanallarının temizlenmesi M Car kanallarının temizl
	ALS CONTRACTOR CONTRACTOR	100			-Do you use silicon for part away? -Do you use silicon for part away?
			ati a 75		
					-Do you use insulation plate on cavity side? Allp disi bağlantı platear izolasyonu yapılmışmı? X
7					cool Work Conditions/ Kalibin Çalışma Değerlendirmesi Yes No Image: Coolings are OK on tool?/ Kaliba su bağlanmış mı? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mı ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mu ? X Image: Cooling check with 6 bars/ Kalıpta 6 bar su kaçağı ver mu ? X Image: Cooling check with 6 bar su kaçağı ver mu ? X Image: Cooling check with 6 bar su kaçağı ver mu ? X Image: Cooling check with 6 bar su kaçağı ver mu ? X
					Explanations:



Reviewer/ Degenendiren;

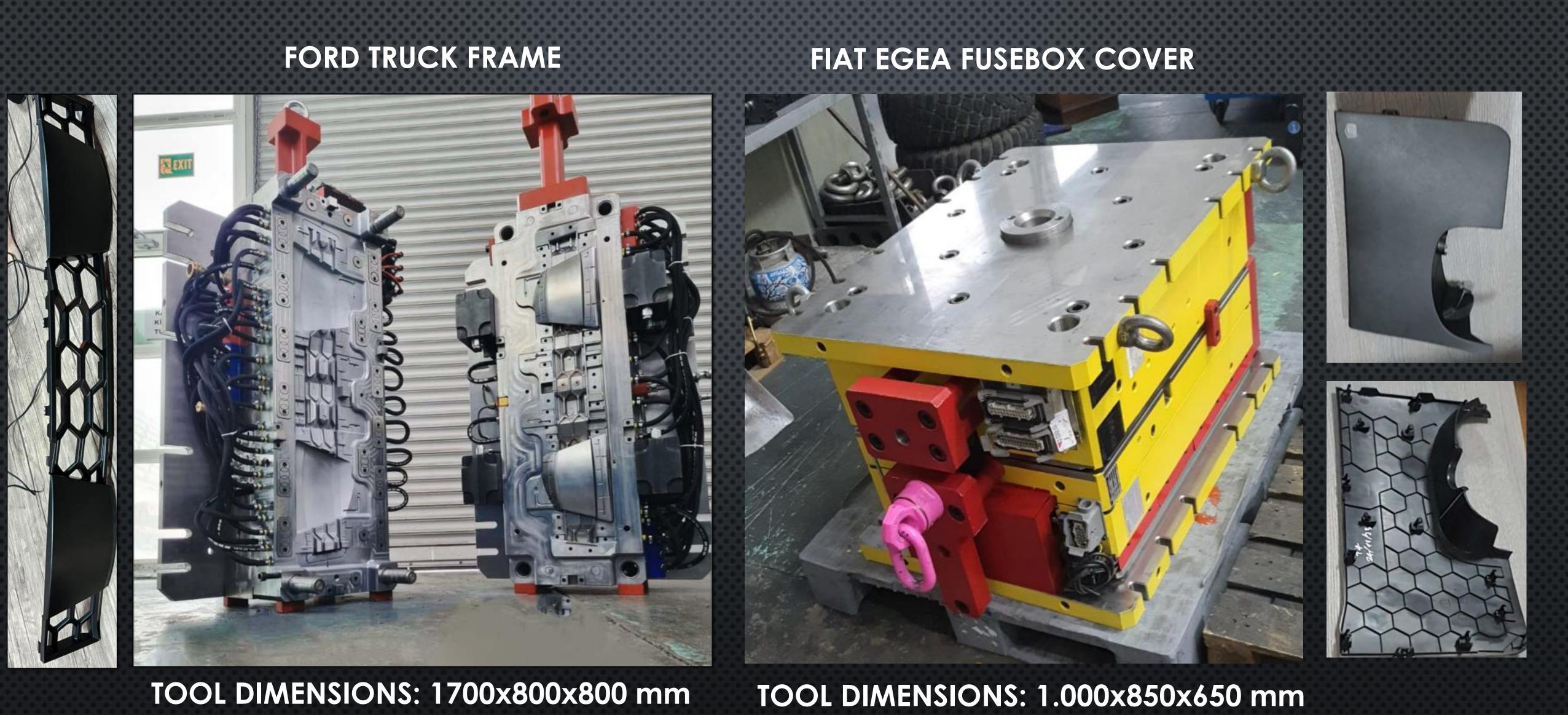








MOLD SAMPLES

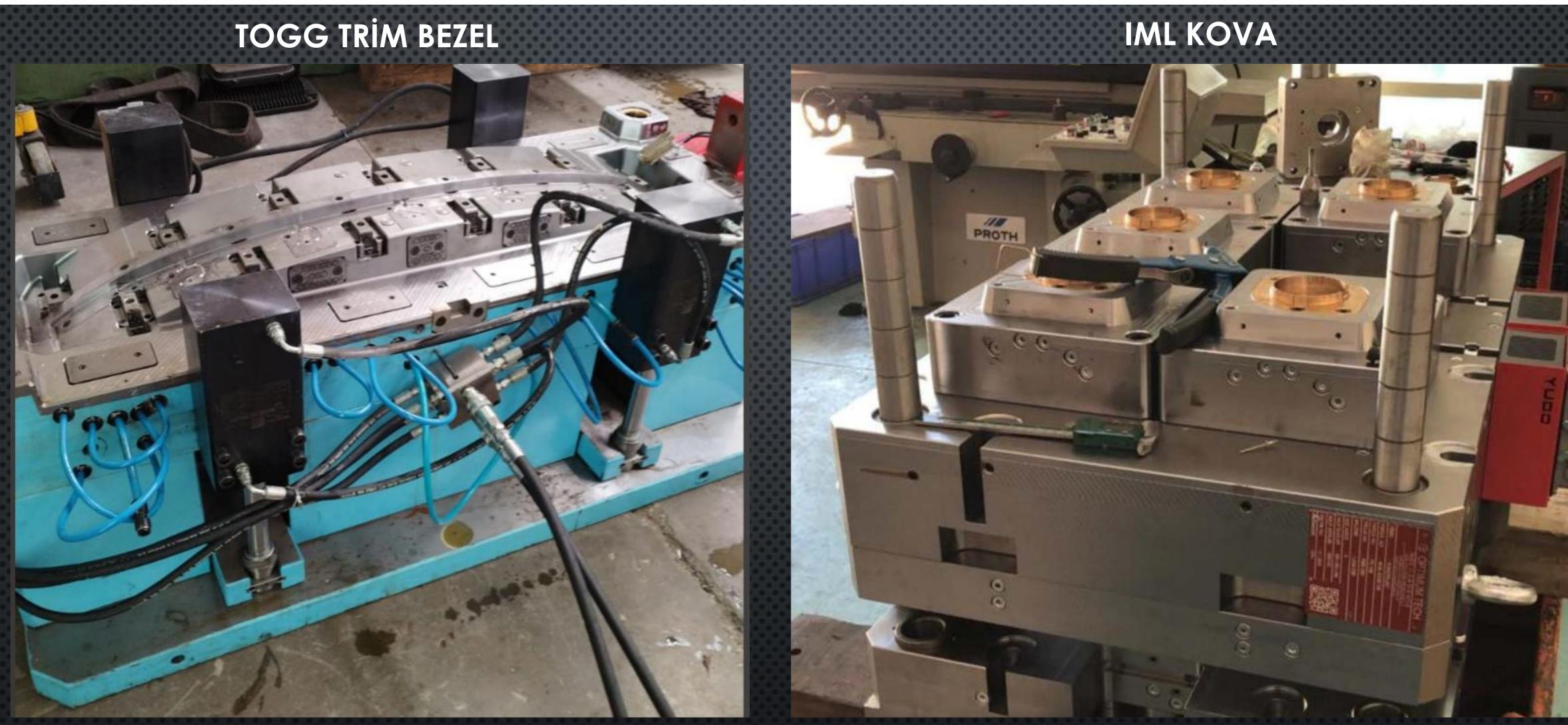




OPTIMUMMOLD



MOLD SAMPLES



TOOL DIMENSIONS: 1600x800x900mm



TOOL DIMENSIONS: 900x900x950mm

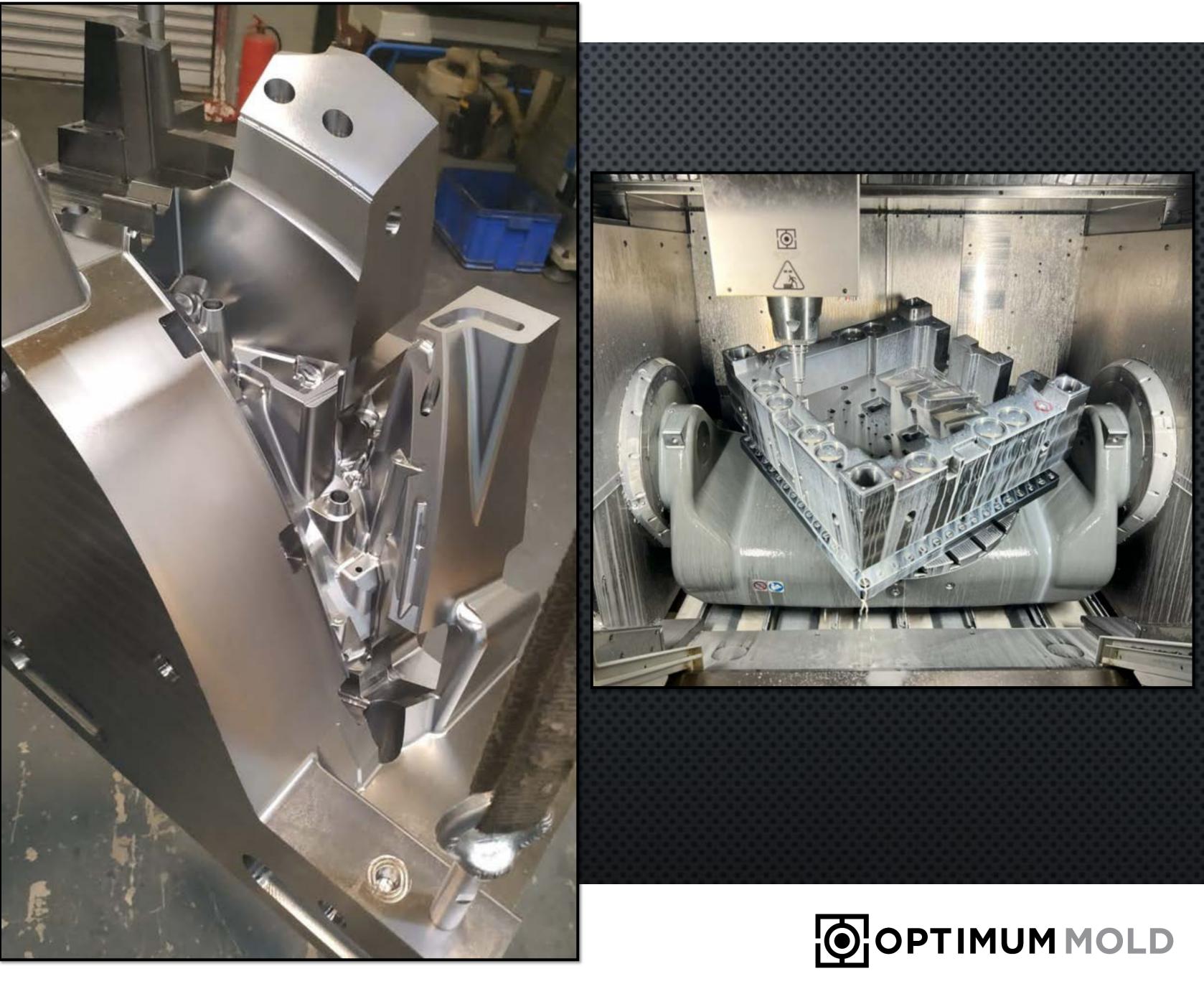




CNC MILLING ABILITY









CNC MILLING ABILITY

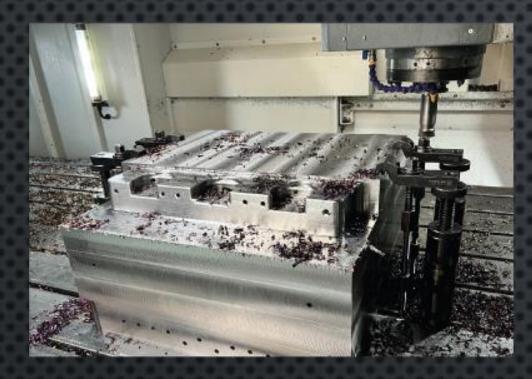




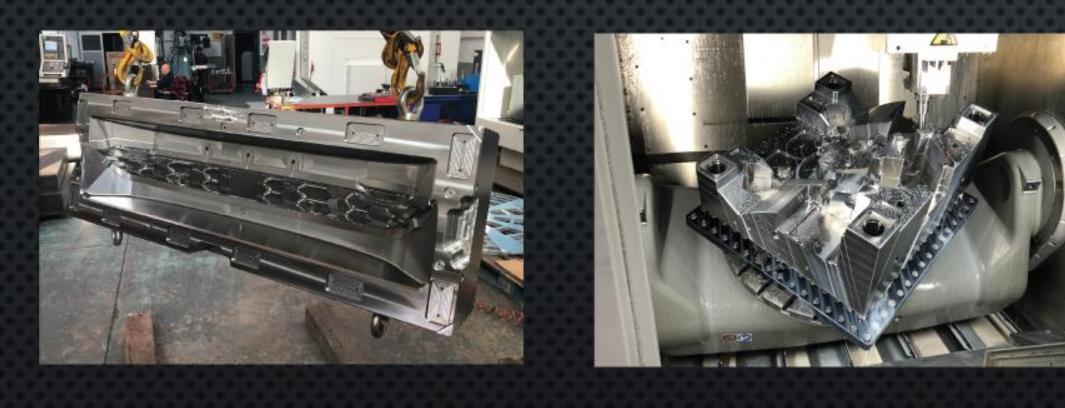






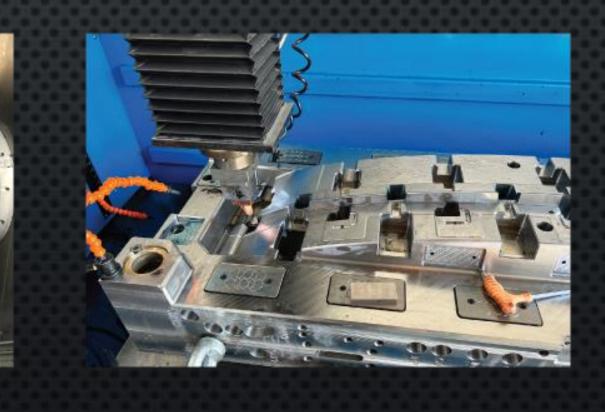








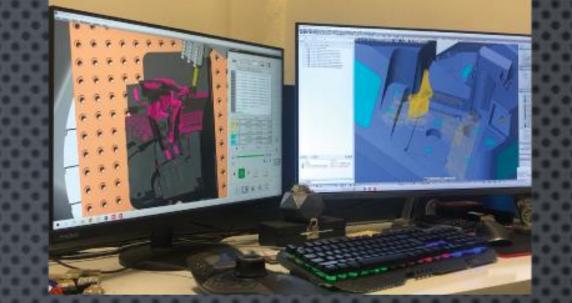


















MAIN SUPPLIERS

Steel Suppliers:



Schmiedewerke Gröditz **GMH GRUPPE**





Hot Runner Suppliers:



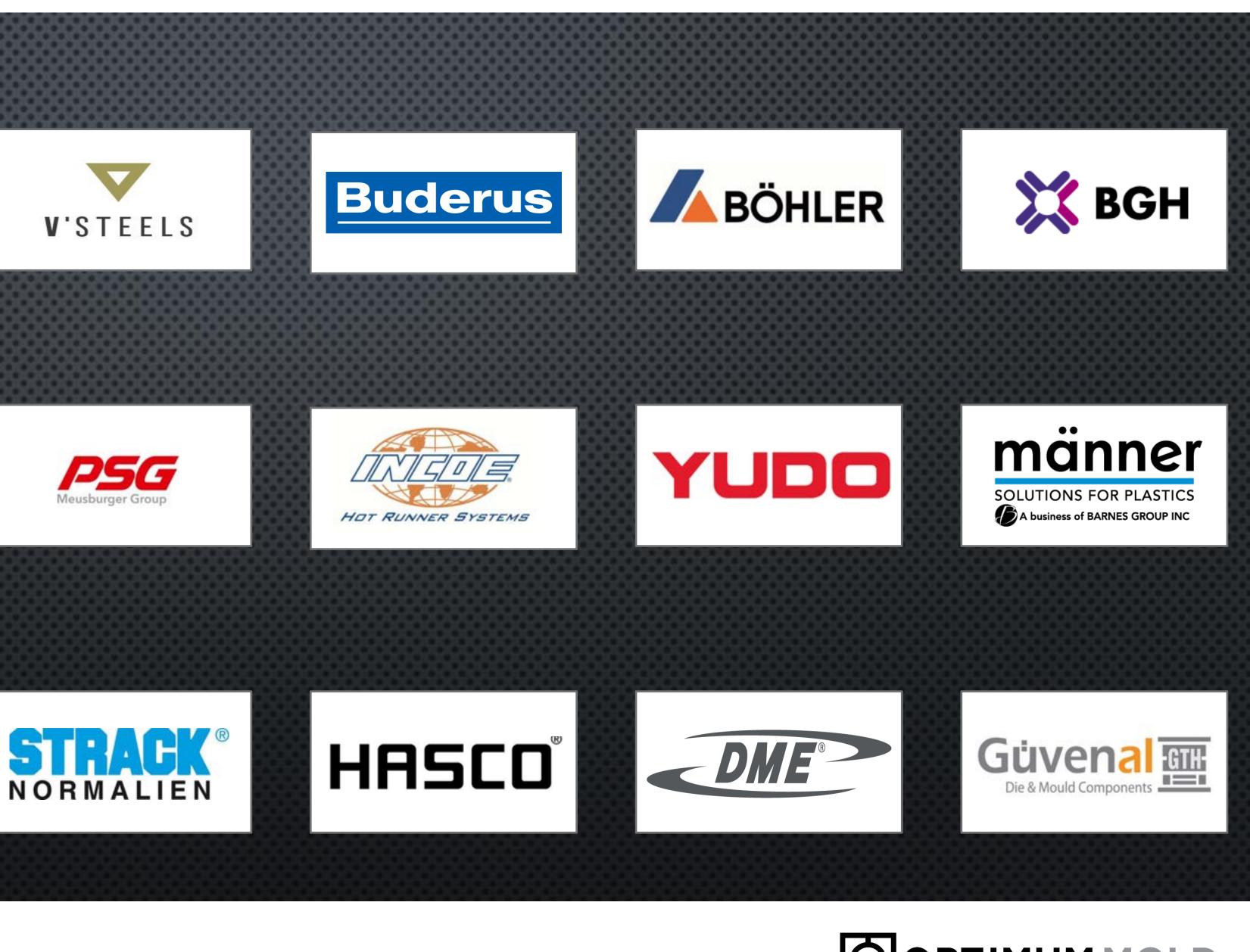




Standart Component Suppliers:

meusburger









AUTOMOTIVE REFERENCES

















HYDRAULIC CYLINDERS PRODUCTION

Our cylinders, which we continue to produce using the highest quality materials and sealing components, are capable of withstanding up to 500 bars of pressure.

Since 2011, we've produced approximately +20.000 cylinders.

We have always been committed to resolving any problem, no matter how small, that our customers may experience, and we will continue to do that. We have such confidence in our products that we have no hesitation in offering a lifetime maintenance and repair warranty.







HYDRAULIC CYLINDERS PRODUCTION

Unlimited part stock. Mirror-shine surface quality. Durable and long-lasting products. Easy order with e-catalogue system. Hardened working surface of the piston. Maximum operating pressure of 500 bar. Ordering options with custom dimensions. Standard products have 200°C temperature resistance. Delivery within 2-5 business days to all regions of Turkey.

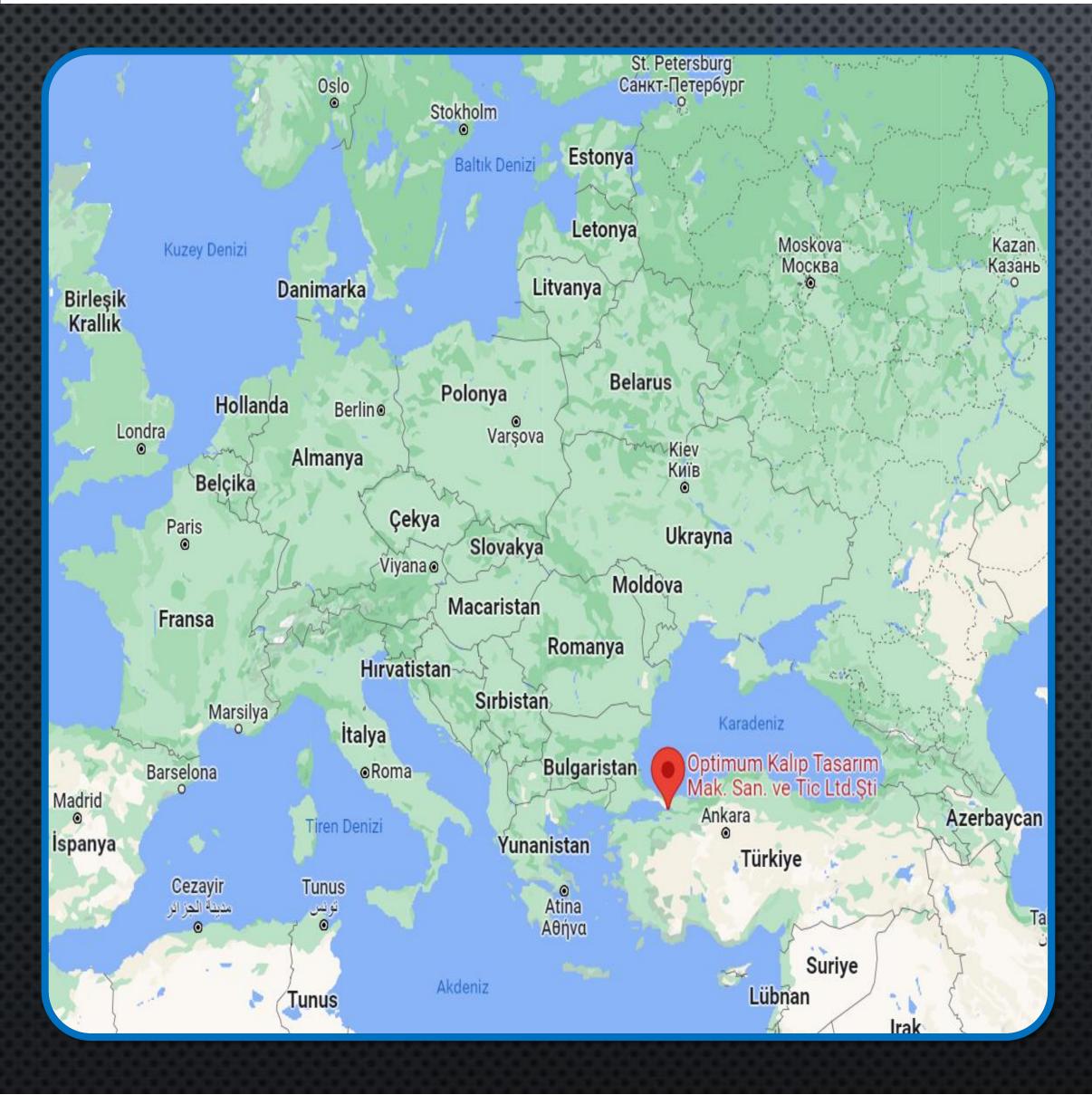








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