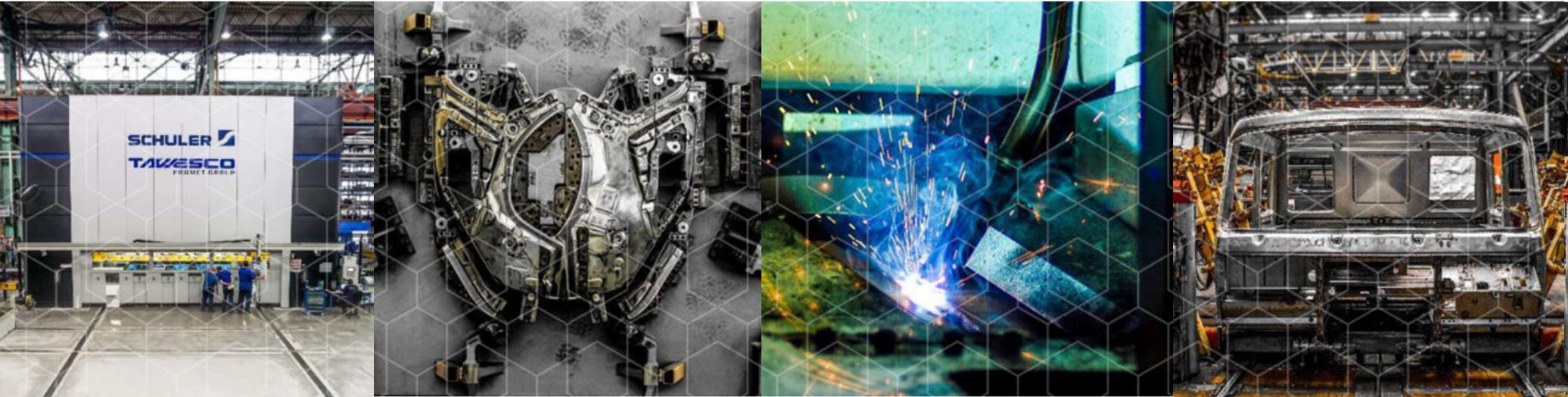


TAVESCO

PROMET GROUP

DESIGN | STAMPING | TOOLING | WELDING | ASSEMBLY



„TOGETHER TO BE AMONG THE BEST“

TAWESCO
PROMET GROUP

COMPANY PROFILE

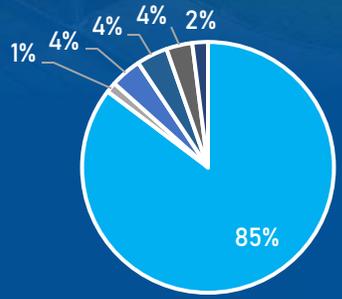
- TAWESCO is an innovative supplier of tools, stampings and weldments
- TAWESCO was established by detachment of a tool shop from TATRA a.s.
- TAWESCO gradually expanded by acquiring a pressing shop and a welding shop
- Advanced Quality Management System

1995	1997	2000	2004
Tool producer	Press shop included	Automotive industry supplier	Welding operation establishment
2006	2007	2008	2011
Visteon award	Volkswagen group award: TOP 100 SUPPLIERS	Beginning of cooperation with John Deere	TAWESCO sold to PROMET GROUP
2013	2016	2017	2018
Tatra sold to new owners including PROMET GROUP	Cooperation extension with John Deere	Purchase of STECOMTRA	Successful finish of ESSA CZECH reorganization (TAWESCO AUTOMOTIVE)
	2020		
	Purchase new transfer press Schuller and machining centrum Trimill		



KEYFIGURES

- employees: 935 location Koprivnice
- turnover over 70,2 mio EUR in 2020
- production area of 49 800 m² under one roof
- both robotic and manual welding
- 38 thousand tons of processed material per year (HDG /HRC /CRC /AI)



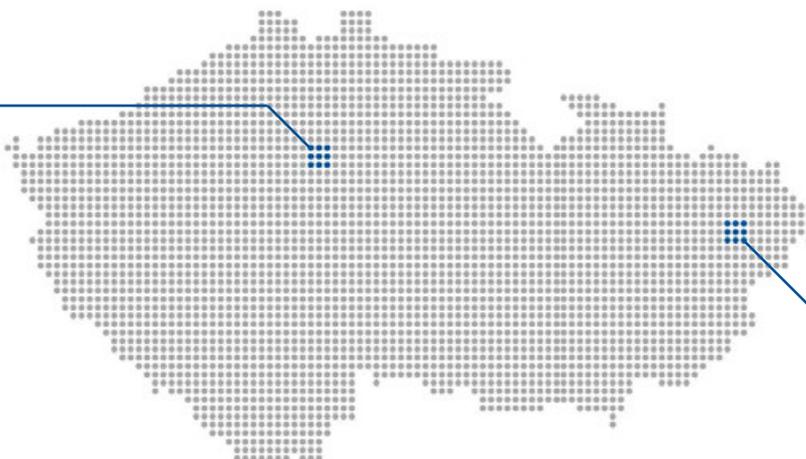
- blue collar
- top management
- QA
- R&D
- purchase & IT
- marketing & sales

SUBSIDIARY PLANTS – Tawesco Automotive

TAWESCO
PROMET GROUP



Tawesco Automotive s.r.o.
Jirenská 1500
250 82 Uvaly u Prahy
Czech Republic



TAWESCO
PROMET GROUP

Tawesco s.r.o.
Areal Tatry 1449/6
742 21 Koprivnice
Czech Republic



- 243 employees
- Location - Prague Letnany / Uvaly (350 km far from TWS)
- Auto SAP Award 2020

OPERATIVE SEGMENTS OF PROMET GROUP



MACHINERY



ENGINEERING



METALLURGY



SERVICES

PROMET
TOOLS

TAVESCO
PROMET GROUP

STECOMTRA

TAVESCO
PROMET GROUP



KOFING
PROMET GROUP

VAMOZ
PROMET GROUP

em
ELEKTROMONT BRNO V.S.

PROMET
CZECH

PROMET
SLOVAKIA

PROMET
INTERNATIONAL UNIPESSOAL

PROMET
FOUNDRY

PROMET
PREFIX



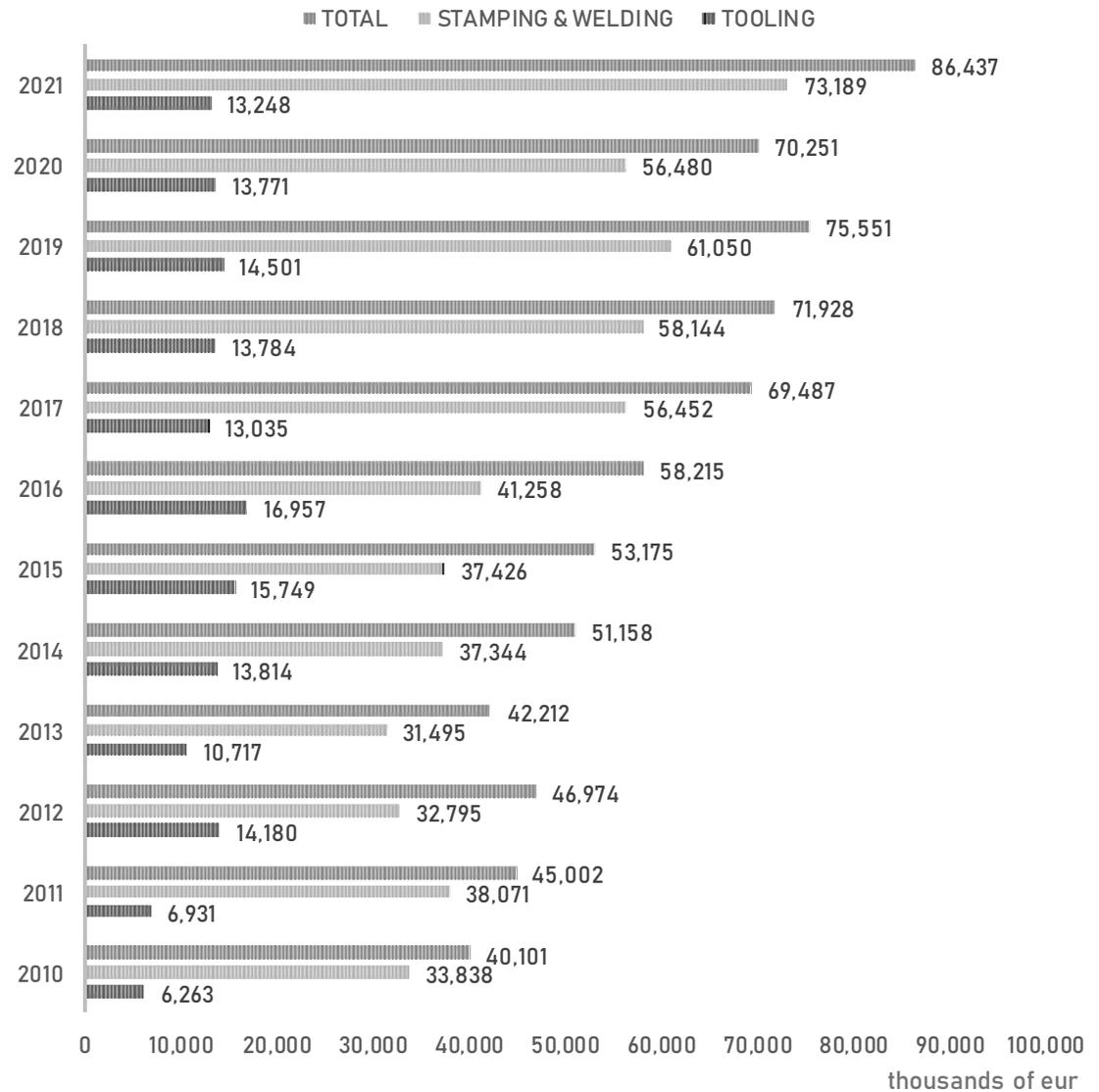
METALURGIE

PROMET
LOGISTICS

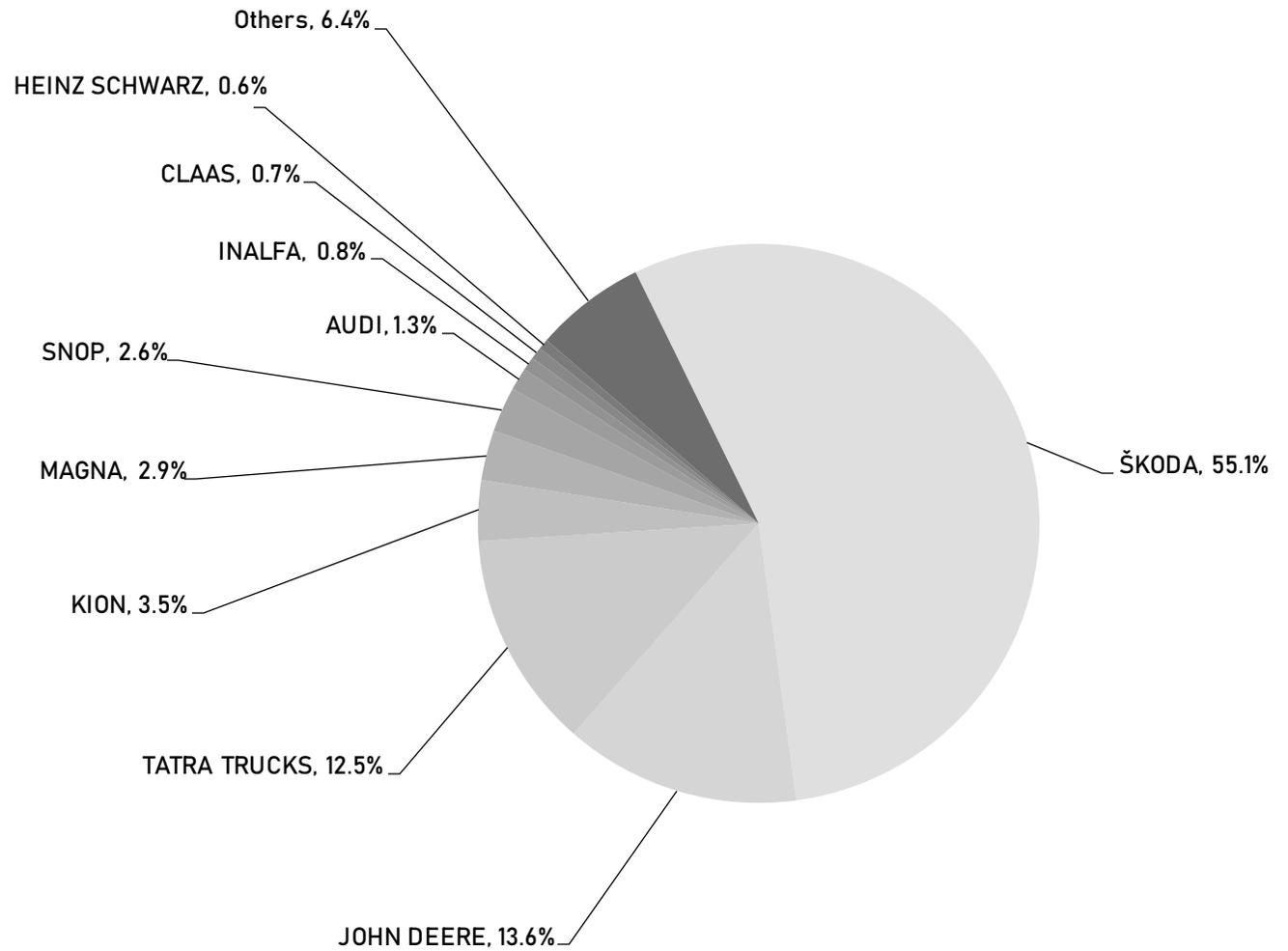
PROMET
MONTENEGRO

PROMET
SACRE COEUR

TAWESCO SALES FROM 2010 TO 2020 (2021 forecast)



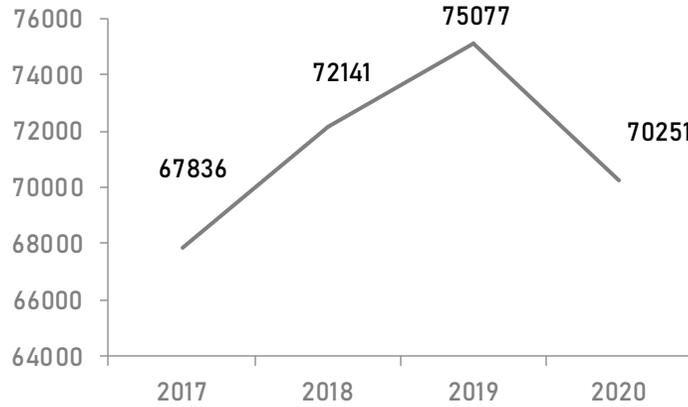
TAWESCO SALES REVENUES 2020



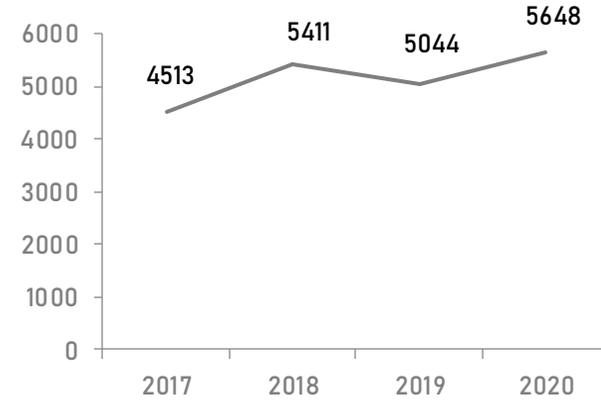
FINANCIAL FIGURES (in thousands of EUR)



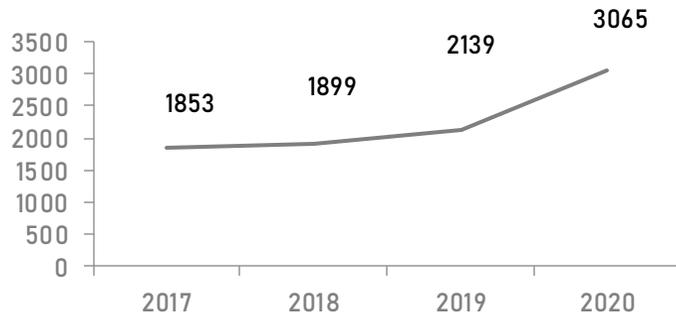
Net Sales



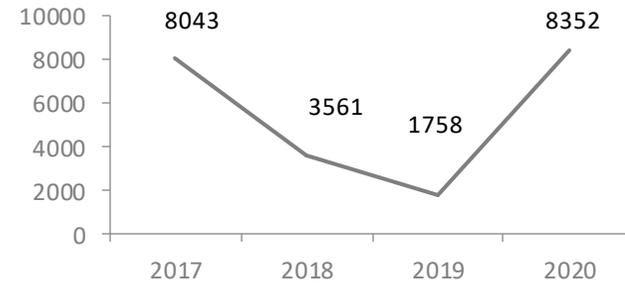
EBITDA



EBIT



CAPEX



TAWESCO REFERENCES



TAWESCO REFERENCES



JOHN DEERE



TOOLING & DESIGN



VDA 6.4

EN ISO 9001:2015

EN ISO 14001:2015

TISAX

STAMPING



IATF 16949:2016

EN ISO 9001:2015

EN ISO 14001:2015

TISAX

WELDING



IATF 16949:2016

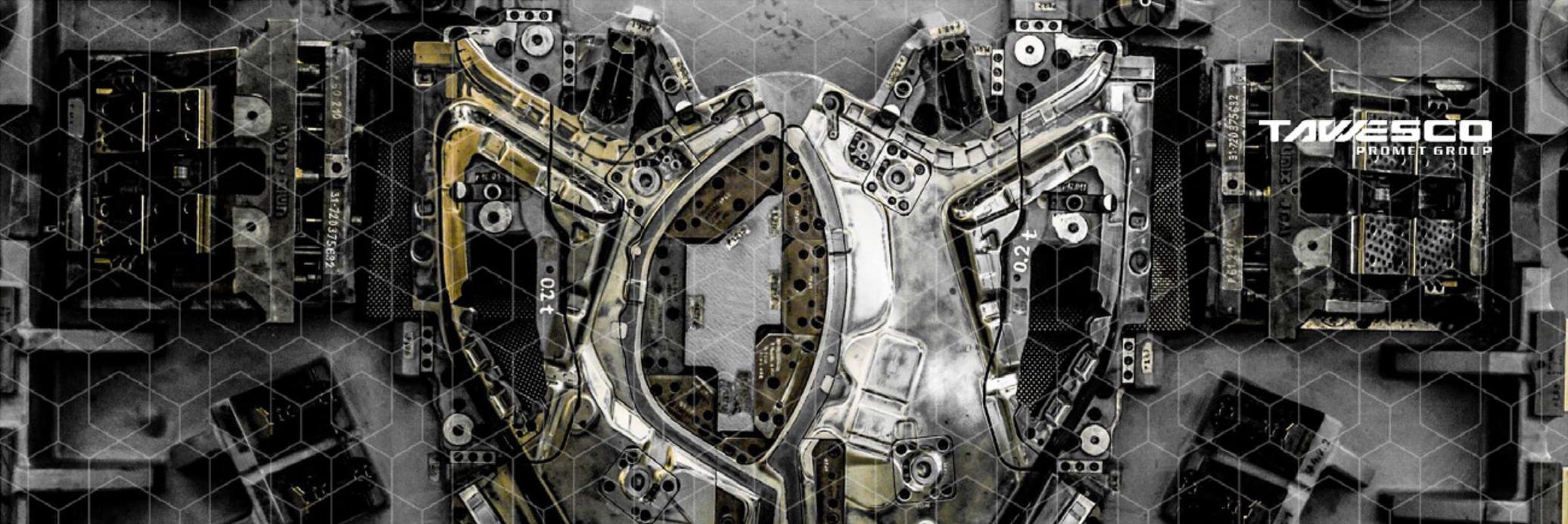
EN ISO 9001:2015

EN ISO 14001:2015

ČSN EN ISO 3834-2

TISAX





TAVESCO
PROMET GROUP

TOOLING

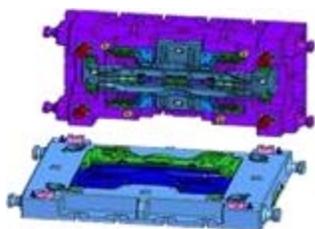
DESIGN & DEVELOPMENT | TECHNICAL EQUIPMENT | PROTOTYP DIES | SKIN PANEL DIES

INNER PARTS DIES | CURRENT PROJECT | STRUCTURAL PANEL DIES

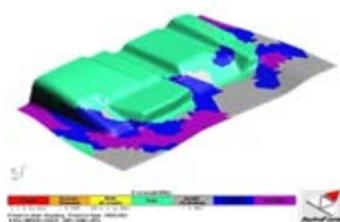
member of **PROMET**

IN HOUSE CAPABILITY:

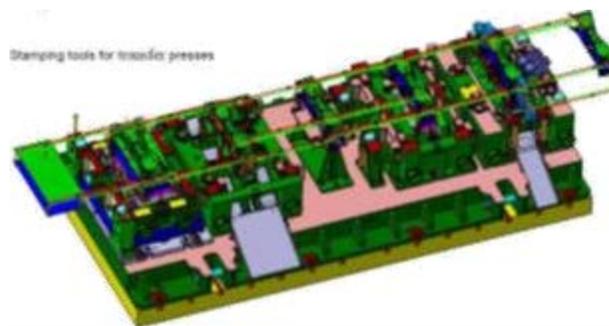
CAD - CAM



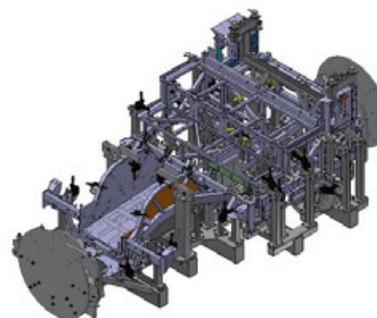
AutoCAD INVENTOR



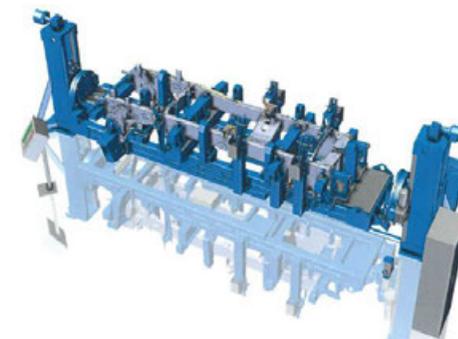
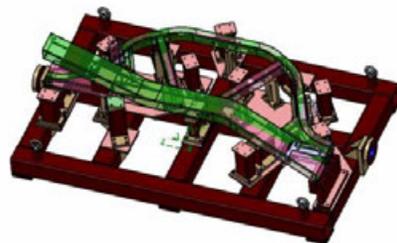
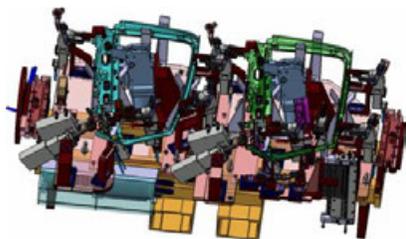
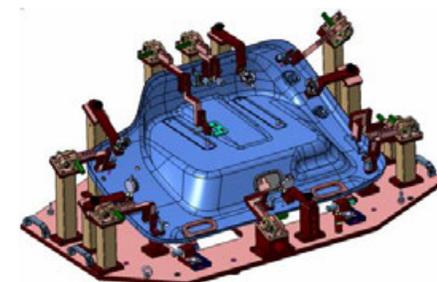
CATIA



IDEAS

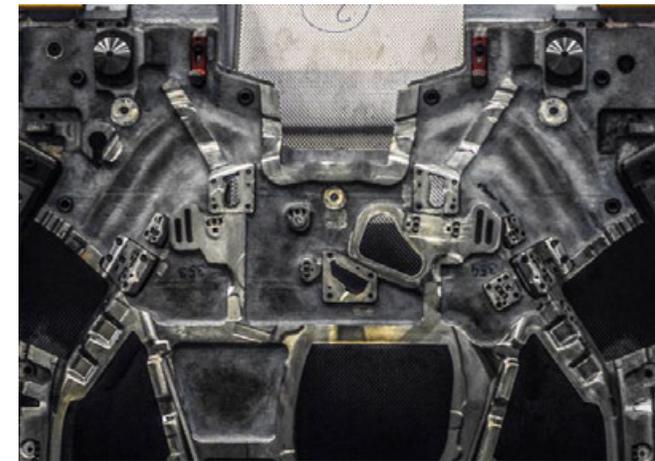


AUTOFORM



TOOLING

- Tools for forming, bending and perforating of steel sheets
 - 0.3 to 10 mm, up to 50 tons
 - Progressive, transfer & single station tools
 - Skin panels dies + dies for AL stamping
 - Welding & machining jigs size up to 15m
 - Cooperation in Asia
- Capacity (per year):
- 75 000 machine hours
 - 80 000 hand hours
 - 27 000 design hours



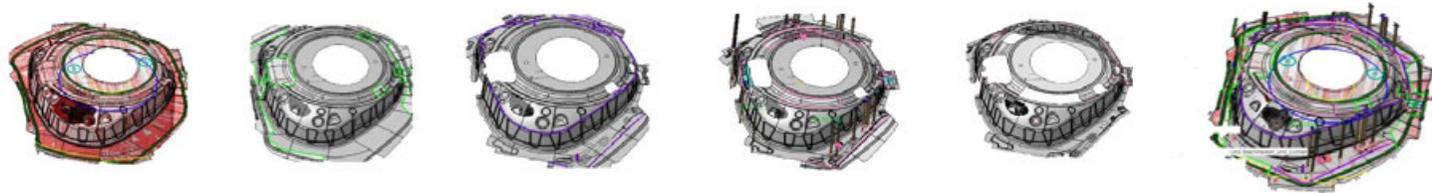
DU492_6_RS4
8W0.809.411.B_412.B_Radhaus

TAVESCO
PROMET GROUP

SIMULATION



LAYOUT



TOOLS - DATA

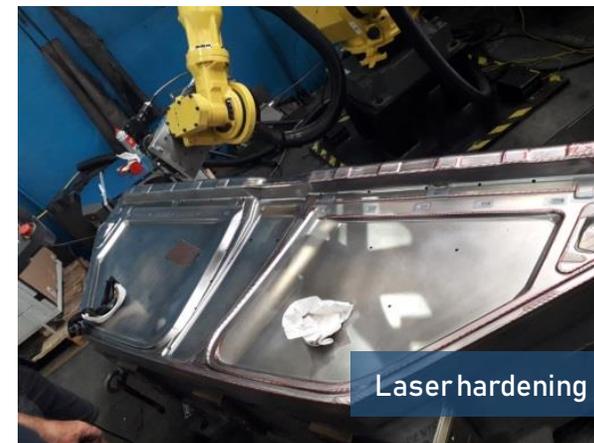
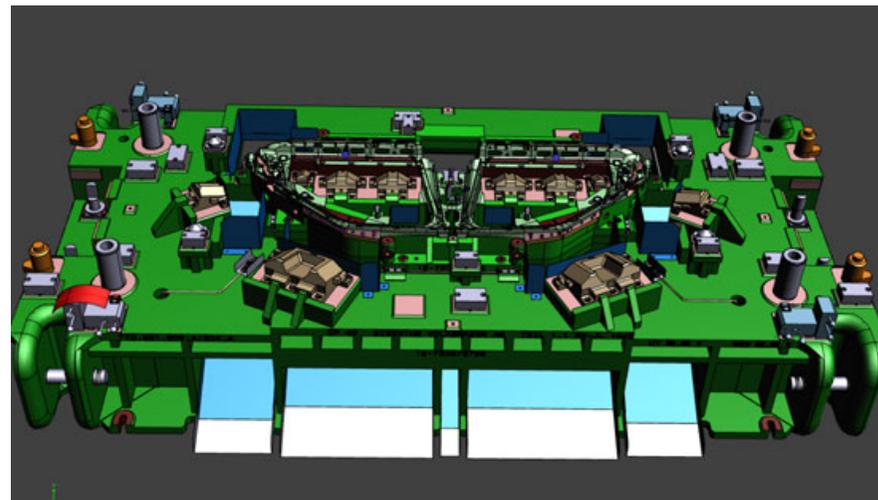
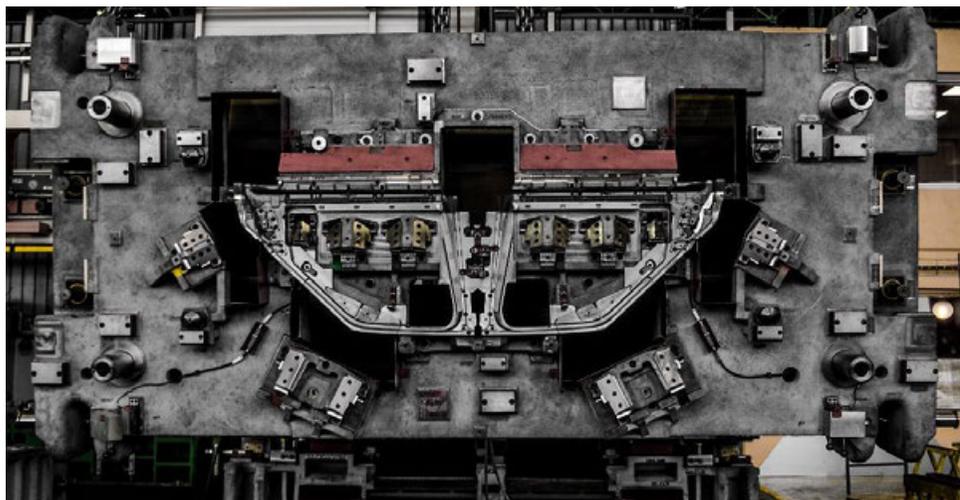


TOOLS



TRANSFER DIES for part
SCHWARZ -Rahmenteil vorn li/re (Projekt 7T7 831 603-4)

TAVESCO
PROMET GROUP



SKIN PANEL DIES

TAVESCO
PROMET GROUP



ŠKODA



ŠKODA AUTO OCTAVIA COMBI - DOORS



ŠKODA



ŠKODA AUTO SUPERB - BODYSIDE & FENDER



PORSCHE



PORSCHE PANAMERA - ROOF



Project: SK381 - Model: Octavia

TAVESCO
PROMET GROUP



ŠKODA



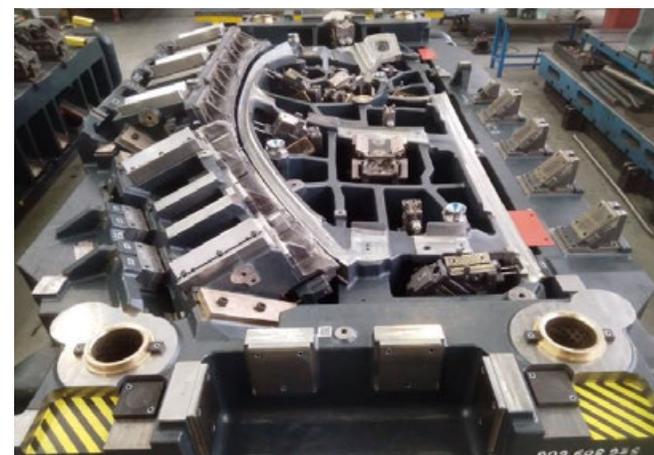
Part number: 5E6 809 605/606

4 dies

OP.30 - L+R

OP.70 - L+R

Production of dies: 2018/2019

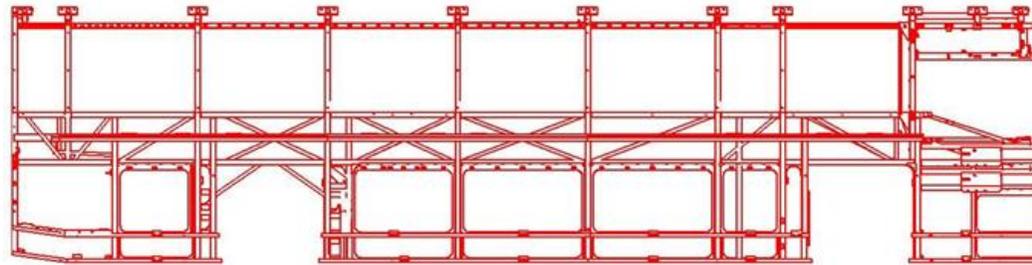


WELDING JIGS FOR BUSES

TAVESCO
PROMET GROUP

TURNABLE JIGS FOR WELDED SIDEWALLS

IVECO
IRISBUS



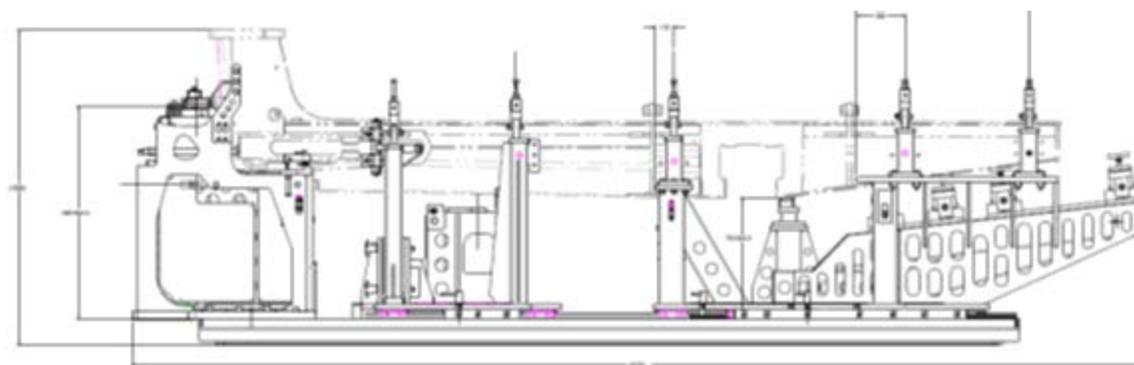
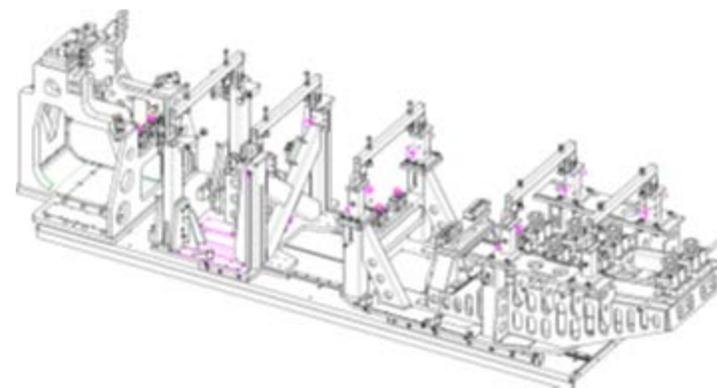
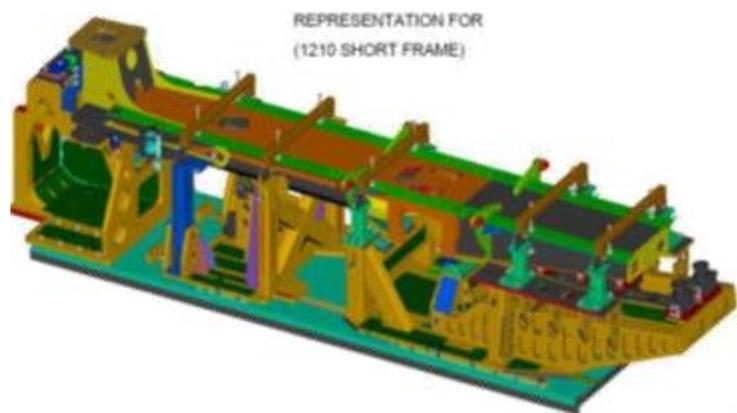
15 m LENGTH



FORWARDERS FIXTURES FOR CNC MACHINING

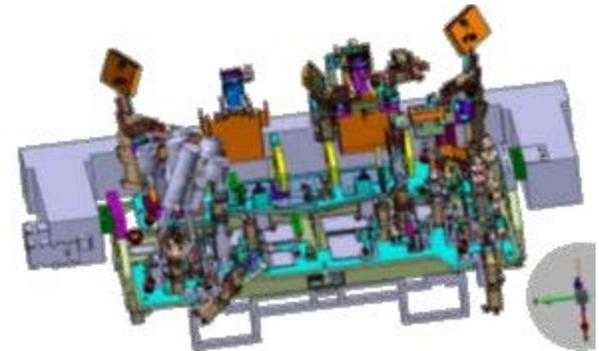
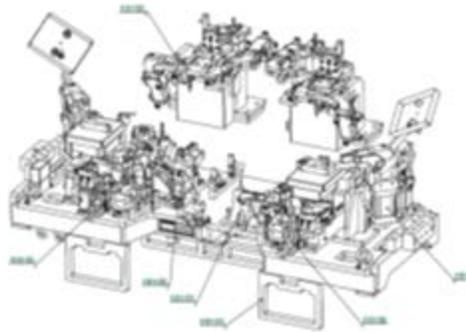
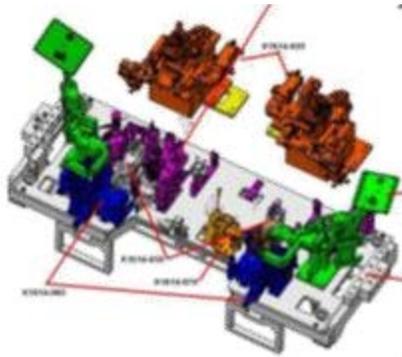
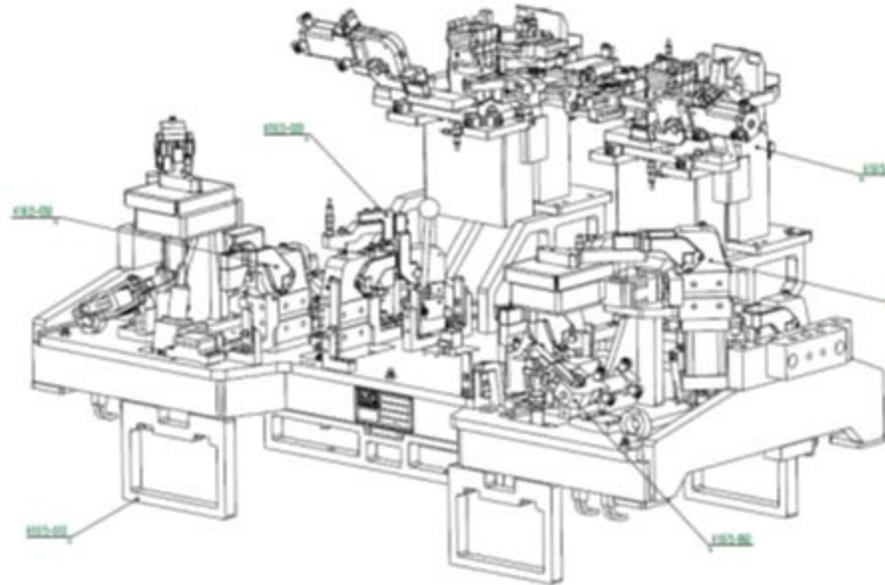
TAVESCO
PROMET GROUP

DIMENSIONS: 7 x 2 x 2 m, 8 t



WELDING JIGS FOR AUTOMOTIVE

TAVESCO
PROMET GROUP



STAMPING AND WELDING FOR AUTOMOTIVE

EQUIPMENT PRESS SHOP | STAMPINGS | EQUIPMENT WELD SHOP | WELDED STAMPINGS | REALIZED PROJECTS

STAMPING

- Progressive, transfer & hand feeding stamping
- Production of Fe and Al stampings
- Production of structural body parts 0,1 - 50 kg
- Stamping up to 3,5 mm, bending up to 12 mm



EQUIPMENT PRESS SHOP

TAVESCO
PROMET GROUP



Transfer press (TWS)
1600t / 6.0 m



Transfer press (2020 – 2021 / TWS)
2500t / 7.0 m



Progressive press (2012 / TWS)
630t



3 x Robotic line of presses (TWSA)

Employment of press shop

- 367 employees

Available technologies

- Transfer presses 1600/2500t
- Progressive presses 630/800/1000t
- Handle heavy presses 500/800/1250/2000t
- Brake presses 400t
- Eccentric presses 120-400t



Exchange of press unit in production line - Úvaly (2020 – 2021 / TWSA)

EQUIPMENT PRESS SHOP

TAVESCO
PROMET GROUP

STRUCTURAL PARTS OF BIW / 0.1 TO 50 KG

60 PRESSES TONNAGE 250T – 2500T



MECHANICAL | TRANSFER | HYDRAULIC STAMPING

member of **PROMET**

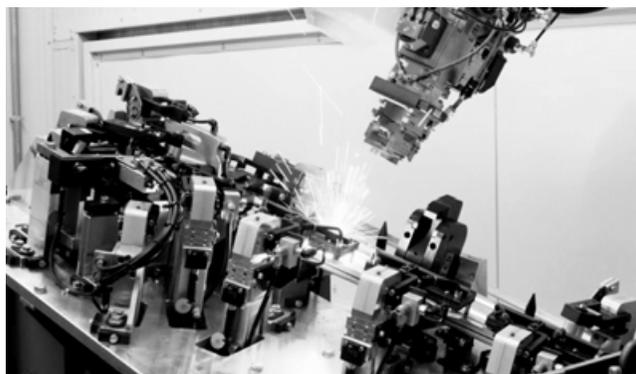
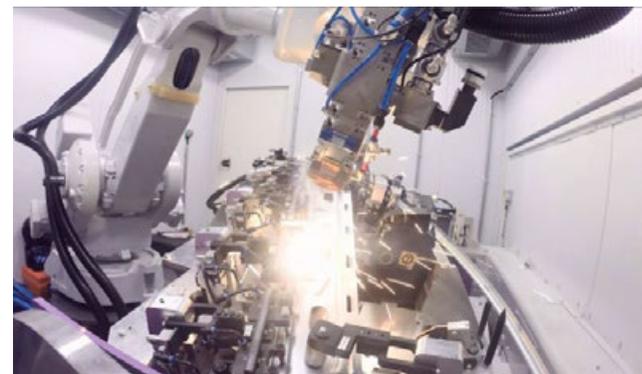
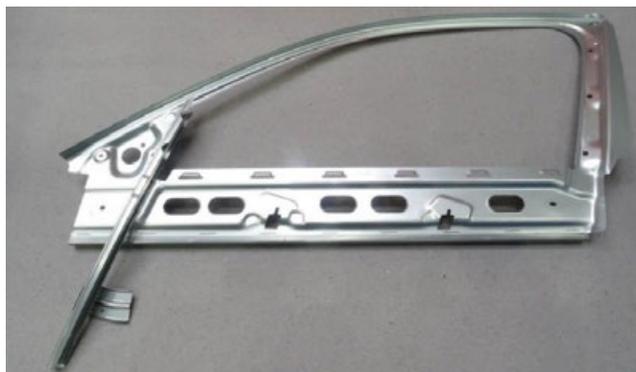
EXAMPLES OF STAMPINGS



WELDING FOR AUTOMOTIVE

MANUAL AND ROBOT WELDING | SPOT, MIG AND LASER WELDING OF STAMPINGS | 2D/3D LASER CUTTING

LASER WELDING OF STAMPINGS



LASER WELDING OF STAMPINGS



Robotic welding boxes



Rotable welding jigs

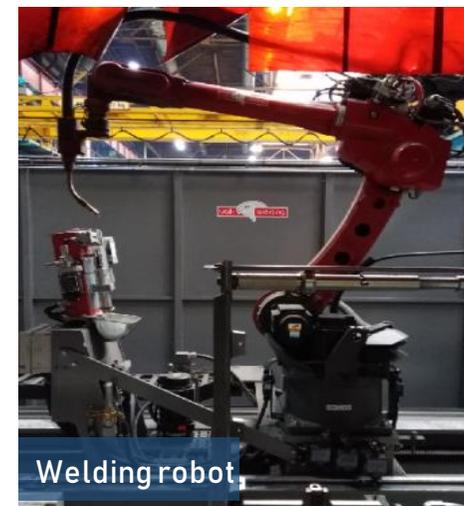


Employment of weld shop

- 213 employees

Available technologies

- 4 x Laser robotic welding boxes
- 29 x spot robotic welding boxes
- Multispot welding devices
- Handle spot welding
- MIG, MAG welding
- Tucker devices



Welding robot

EXAMPLES OF WELDED STAMPINGS

TAVESCO
PROMET GROUP



REALIZED PROJECTS

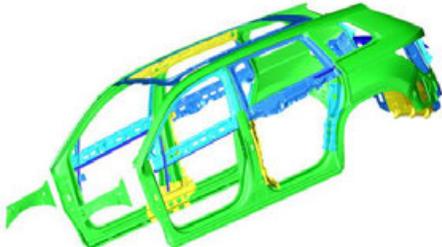
ŠKODA SUPERB



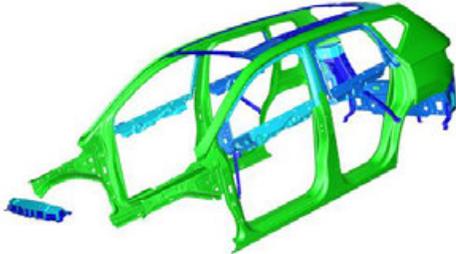
ŠKODA OCTAVIA



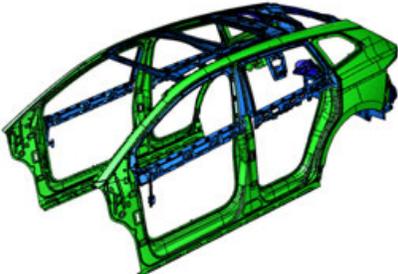
ŠKODA KODIAQ



ŠKODA KAROQ



ŠKODA ENYAQ



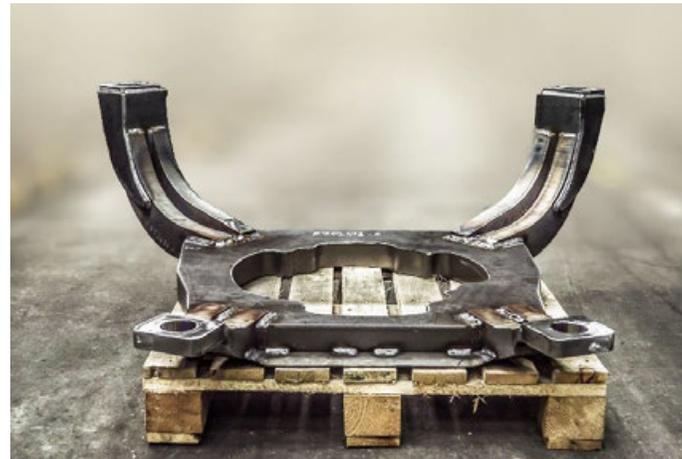
HEAVY WELDMENTS

HEAVY WELDMENT EQUIPMENT | WELDMENTS FOR AGRICULTURE | WELDMENTS FOR FORESTRY

WELDMENTS FOR TRUCKS | WELDMENTS FOR MATERIAL HANDLING | STECOMTRA

WELDING

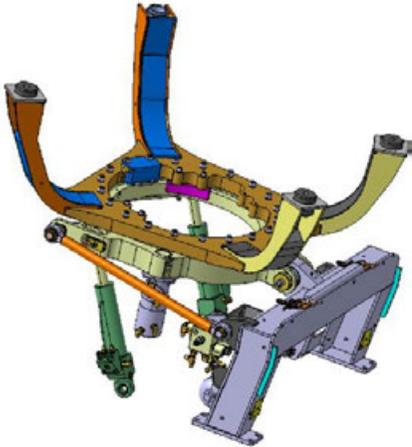
- Heavy weldments for trucks, agriculture, forestry, material handling, municipal machines
- 2D/3D laser cutting, bending
- machining, surface treatment and assembly



HEAVY WELDMENTS FOR FORESTRY



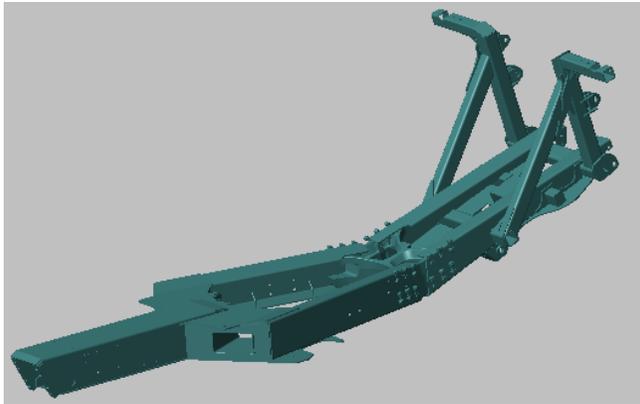
HEAVY WELDMENTS INCLUDING MACHINING & PAINTING FOR HARVESTERS



HEAVY WELDMENTS FOR AGRICULTURE



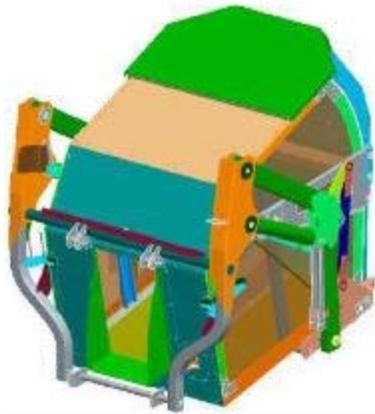
HEAVY WELDMENTS INCLUDING MACHINING FOR FIELD SPRAYERS



HEAVY WELDMENTS FOR MUNICIPAL MACHINES



REAR COLLECT DIESEL LAWN TRACTOR WITH ITS COMMERCIAL GRADE STAMPED STEEL MOWER DECK & QUICK ATTACH HOPPER



X950R LAWN TRACTOR
ASSEMBLED STEEL HOPPERS
LOW DUMP VERSION (570 L) &
HIGH DUMP VERSION (650 L)
WITH LIFTING DEVICE

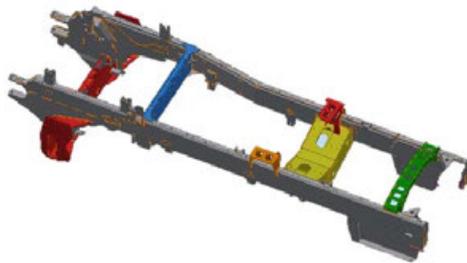


HEAVY WELDMENTS FOR AGRICULTURAL MACHINES

MAIN FRAMES, REAR AXLES, FRONT AXLES, WELDING FIXTURES.

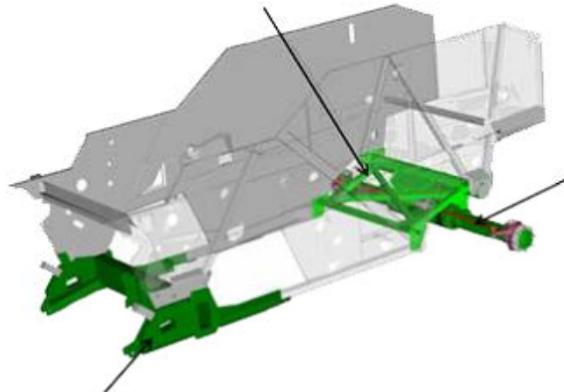
Harvesters by JOHN DEERE (www.deere.com)

SPFH Main Frame



Combine W/T

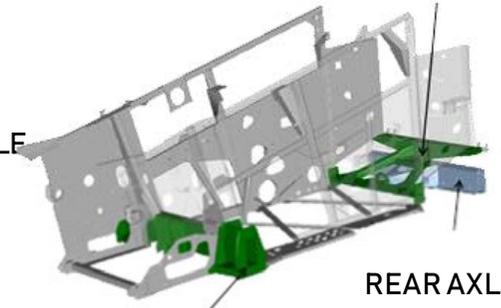
X - FRAME



REAR AXLE

Combine S

A - FRAME



REAR AXLE

FRONT AXLE

FRONT AXLE



Welded assemblies for agricultural harvesters:

- combine harvesters W/T/S series
- SPFH (self-propelled forage harvesters)

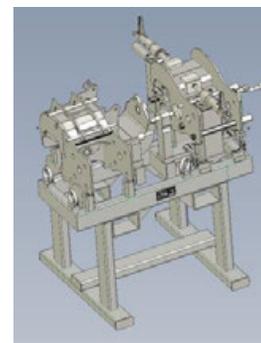
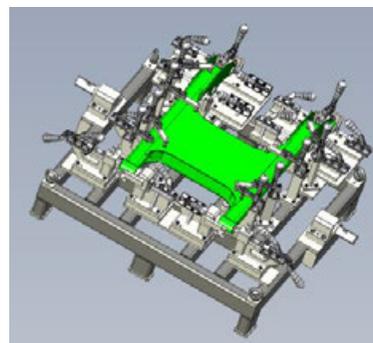
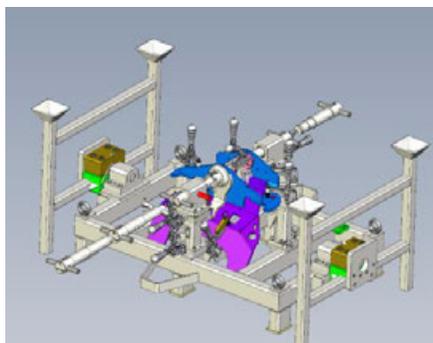
Main frames, rear axles, front axles, welding fixtures.



CLAAS

TAVESCO
PROMET GROUP

GREENLINE PRODUCTS



DISCO

Disco mowers

Working width 2.10-10.70-m



CORTO

Drum mowers

Working width 1.85-3.05 m



VOLTO

Tedder

working width 4.50-13,00 m



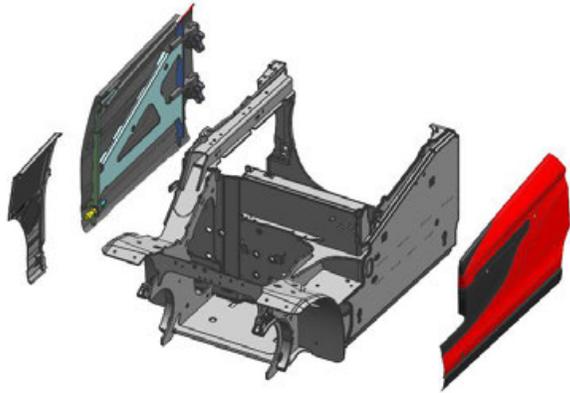
LINER

Swather

working width : 3.20-15.00 m

DEEP DRAWN / STAMPED PARTS INCL. WELDING

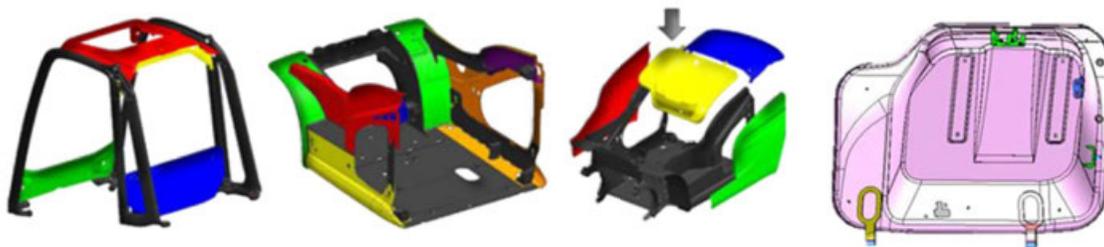
KION
GROUP



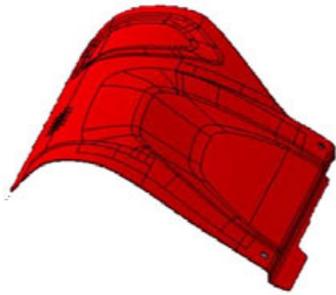
Specification of hydraulic press: 2500 t:

- Bolster plate dimension 4 m x 2,5 m
- Max. part dimension 2,5 m x 1,5 m
- Material thickness 1,5 mm up to 8 mm
- Material DC04/DC06/S235JR/S355MC
- Max. depth of part 350 mm

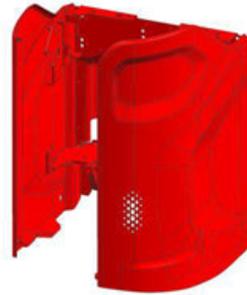
(depends on material thickness and shape of the part)



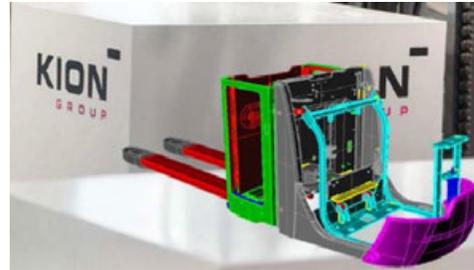
DEEP DRAWN/STAMPED PARTS INCL. WELDING CHASSIS FIXE



Drawing depth 250 mm



Material:
- thickness 4 mm
- S235JR



member of **PROMET**

Linde Material Handling

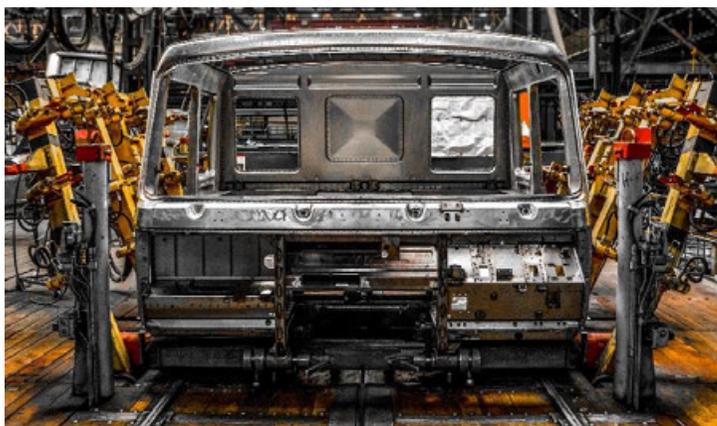
FENWICK

KION
GROUP



EXAMPLES OF WELDMENTS FOR TRUCKS

TAVESCO
PROMET GROUP



WELDED CABINS
FOR MODELS
815 AND 815 - T



WELDED FRAMES
FOR TATRA
MODELS





TAVESCO
PROMET GROUP

 **STECOMTRA**

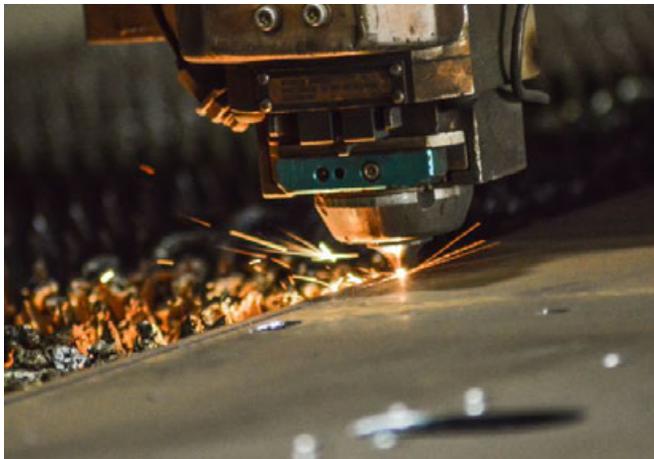
LASER CUTTING | BENDING | METALWORKING | WELDING

member of **PROMET**



STECOMTRA

Stecomtra company is a traditional leading manufacturer of heavy automotive parts and components, co-operating with the top class companies in this sector. Since 2004, when the company was established, produces chassis frames, frames components and subassembly parts for truck trailers, road machines, trains, etc. Since 2017 is Stecomtra member of Promet Group.



REFERENCES - STECOMTRA

TAVESCO
PROMET GROUP



TAVESCO
PROMET GROUP

“ALL IN ONE SOLUTION UNDER ONE ROOF“

COMPETITIVE ADVANTAGE
AGAINST THE COMPETITION



Thankyou for your attention