





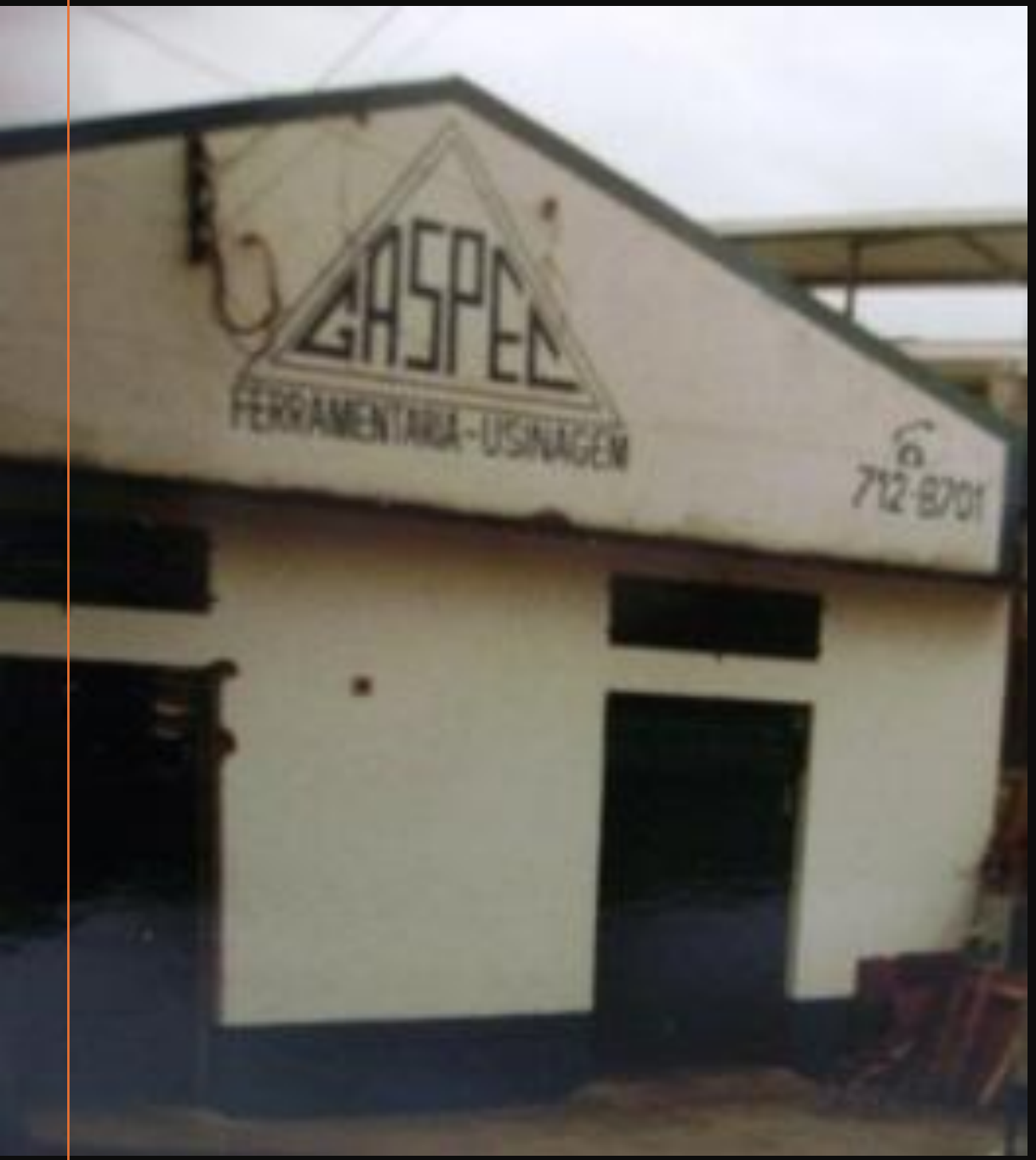


GASPEC GROUP

Global Tooling & Try-Out Center

Engineering | Die Build | Machining | Try-Out | Metrology

Advanced tooling solutions for BIW and structural automotive components

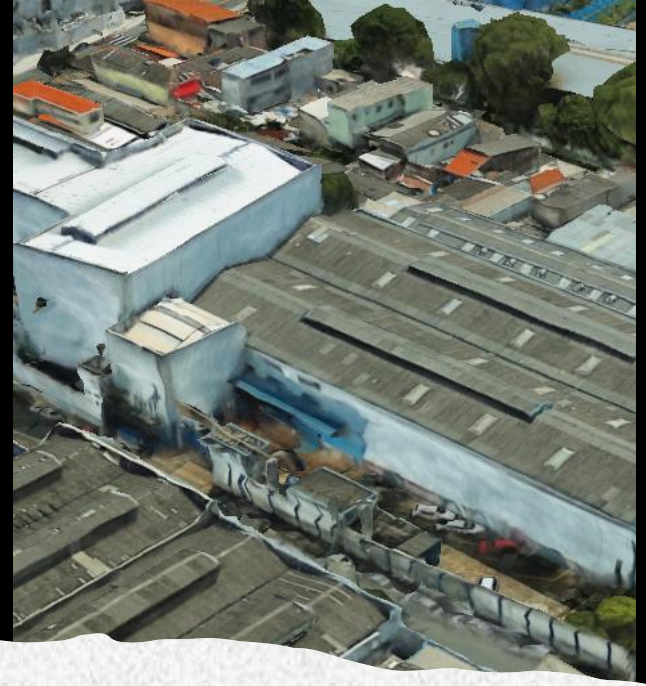


Company Overview

- *Founded in 1978 – Brazil*
- *Family-owned company with fast decision-making*
- *Full-service tooling center*
- *Experience supporting OEM and Tier-1 programs*









CAPABILITY & CAPACITY GROWTH

Capability & Capacity Evolution

- Tool weight capability: up to **20 metric tons**
- Try-out presses: **600 to 2,000 tons**
- Built area: **3,000 m^2 (32,300 ft^2)**
- Total site area: **4,000 m^2 (43,000 ft^2)**
- Continuous investment in tooling and try-out capacity

LOCATION



Strategic Location

- São Paulo State – Brazil
- Major automotive industrial hub in South America
- Close to OEMs, Tier-1 suppliers and skilled tooling workforce
- **Access to ports, international logistics and export experience**

FULL IN-HOUSE PROCESS

“Why it matters”

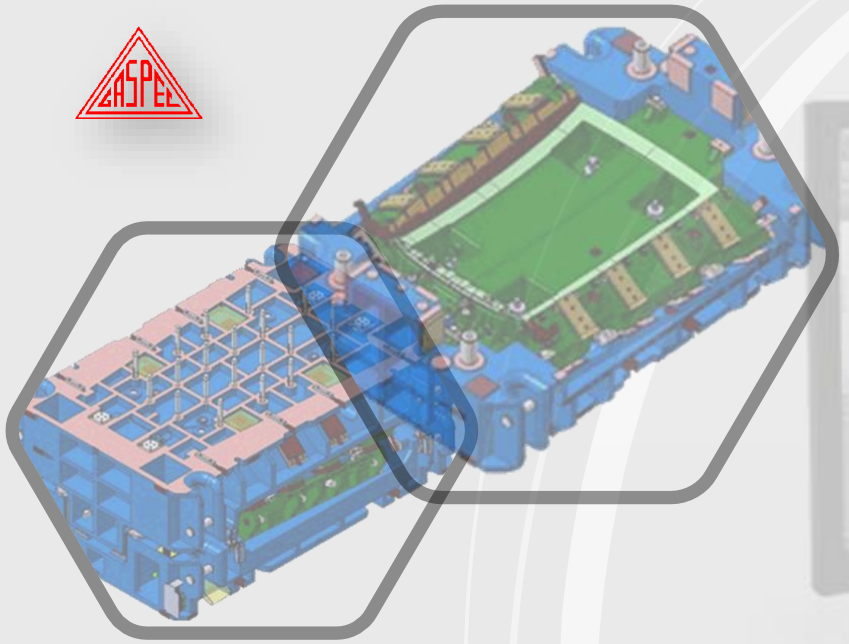
Manufacturing
capacity of 350,000 hours per year

One-Stop Tooling Solution

- ✓ Engineering
- ✓ Machining
- ✓ Die build & assembly
- ✓ In-house try-out
- ✓ Metrology & validation



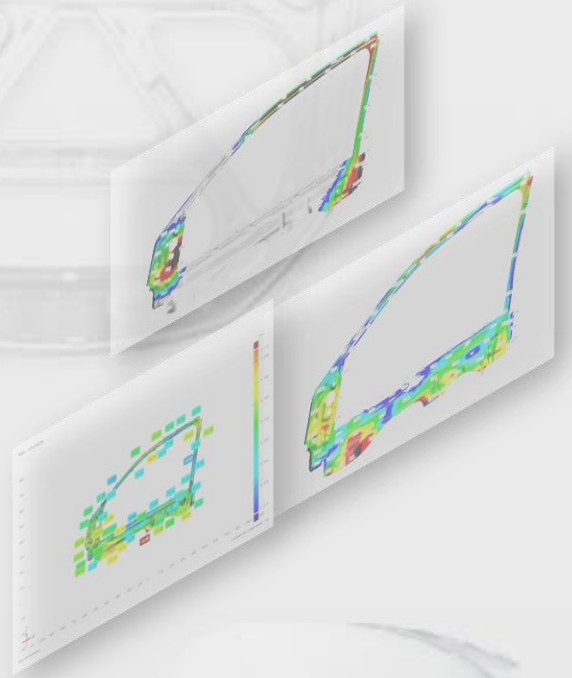
Single technical responsibility – reduced risk and lead time



ENGINEERING

Engineering Overview

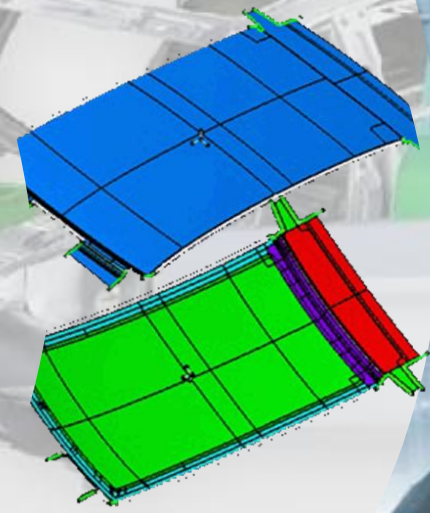
- ✓ Feasibility studies
- ✓ Simulation
- ✓ Operation reduction
- ✓ Die design

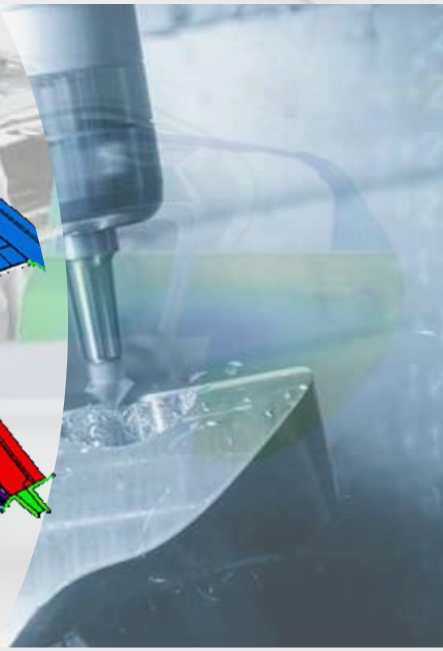


Engineering Capability

- Total: 22,000 hours/year
- Breakdown (Program/ Simulation / Process / Design)

Engineering focused on robustness, manufacturability and cost-down







Manufacturing Capacity

Machining: 118,000 hours/year

Die shop: 174,000 hours/year

Try-out: 76,000 hours/year

- ✓ Large CNC machining capability
- ✓ Heavy structures machining
- ✓ Tight integration with die assembly

Supports large and complex structural tooling with tight tolerances

Machining

- Heavy CNC machining
- Large cast and welded structures
- High precision for structural tooling
- Tight integration with die assembly





Type	Trademark	Denomination	Dimension	Quantity
CNC	FEELER	Bridge-Type	4200 X 2400	2
CNC	FEELER	Bridge-Type	3200 X 2400	1
CNC	FEELER	Bridge-Type	3200 X 1900	1
CNC	EUMACH	Fixed-Bed	3000 X 1000	1
CNC	CME	Fixed-Bed	3000 X 1200	1
CNC	FEELER	Conventional	1500 x 760	2
CNC	FEELER	Conventional	1000 x 500	2
CNC	DYNA MITE	Conventional	800 X 500	1
BORING MACHINE	ZOCCA	Conventional	1500 X 1000	1
BORING MACHINE	JIAODA KUNJI	Conventional	2000 X 2000	1
WIRE CUT EDM MACHINE	ONA	-	-	4

In-house capability – no outsourcing – full responsibility

Die Build & Assembly

- **Progressive** dies (small to large size)
- **Transfer** and **tandem** dies
- Structural and **BIW tooling**
- Full internal control of build quality





Type	Trademark	Denomination	Quantity
TOOLING SHOP	DIE MAKERS	Cutting, Bending and Deep Drawing	25

In-house capability – no outsourcing – full responsibility

TRY-OUT



- Press range: **600 – 2000 tons**
- Capability for large structural tools
- Reduced external dependencies
- Faster buy-off validation



Type	Trademark	Denomination	Quantity
PRESS	SCHULER	Double Acting 1600 Ton	1
PRESS	SCHULER	Single Acting 600 Ton	5
PRESS	CALENDE	Single Acting 1000 Ton	1
PRESS	CLEARING	Single Acting 2000 Ton	1
PRESS	HILO	Single Acting 1000 Ton	1
PRESS	JONASA	Single Acting 400 Ton	1









In-house capability – no outsourcing – full responsibility







METROLOGY

Metrology & Validation

- CMM laboratory
- 3D scanning
- Dimensional validation
- Support for PPAP and OEM documentation

In-house capability – no outsourcing – full responsibility

CUSTOMERS & PROGRAMS

Selected Customers & Global Programs

- Experience supporting OEM and Tier-1 suppliers
- Participation in global automotive programs
- Strong background in structural components



Selected programs and platforms – details available under NDA

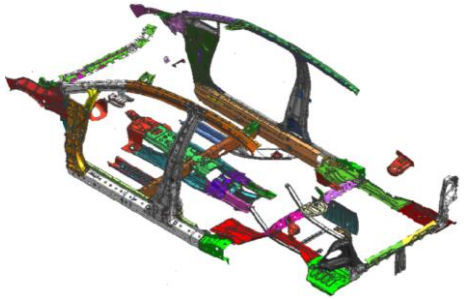
CORE EXPERTISE

- BIW and chassis structural parts
- Progressive dies
- Advanced high-strength steels (AHSS)
- Tailored blanks
- Operation reduction

Subframe



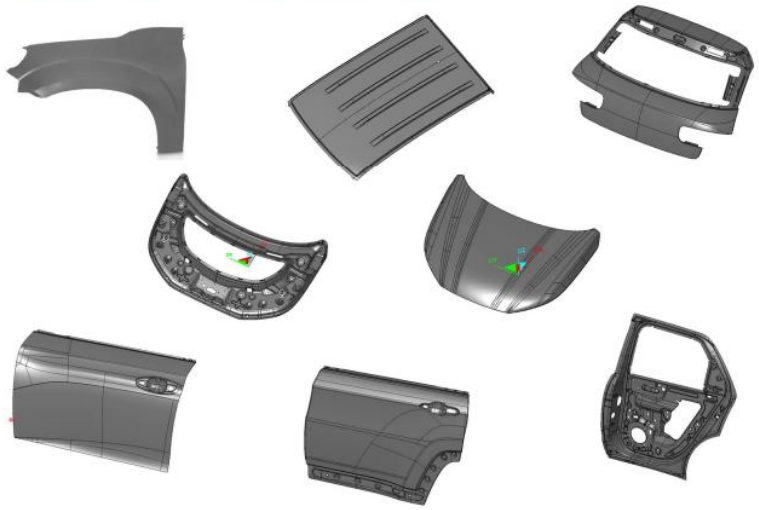
BIW



Torsion Profile



KNOW-HOW – Skin and Frame Panels



Control Arm



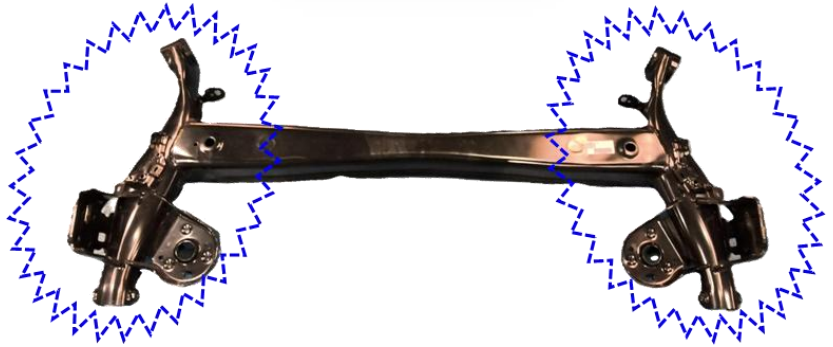
CASE STUDY 1

Trailing Arm – Suspension Component

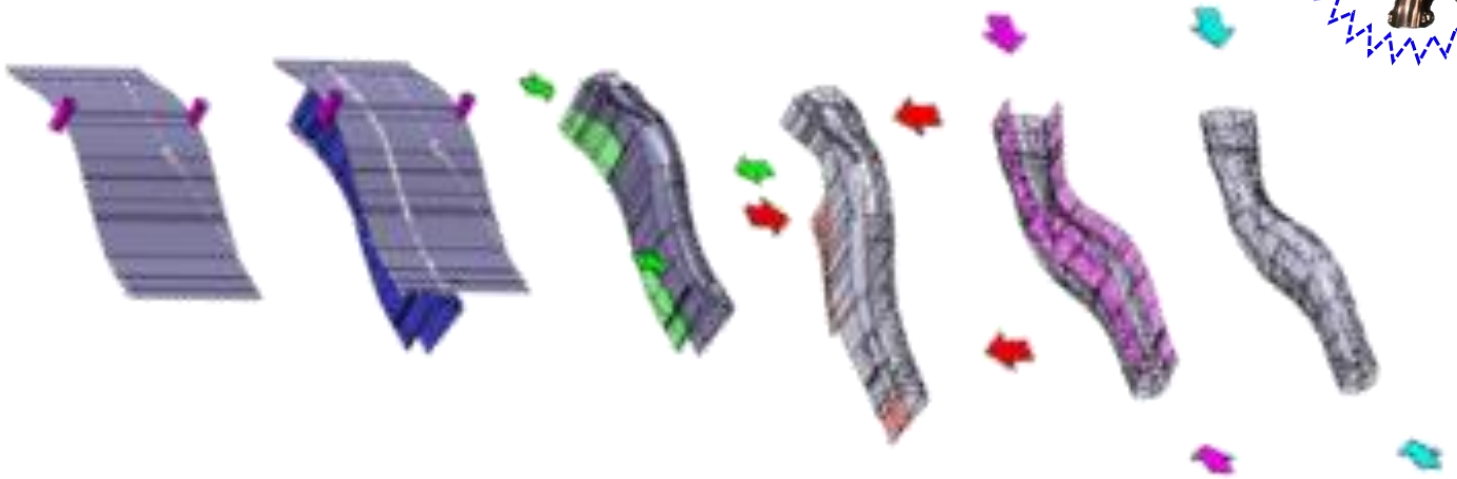
- Part type: Chassis / Suspension
- Material: High-strength steel

Key value delivered:

- Reduction from 6 to 5 operations
- Cost and cycle time reduction



PROCESS



OPs STAMPED





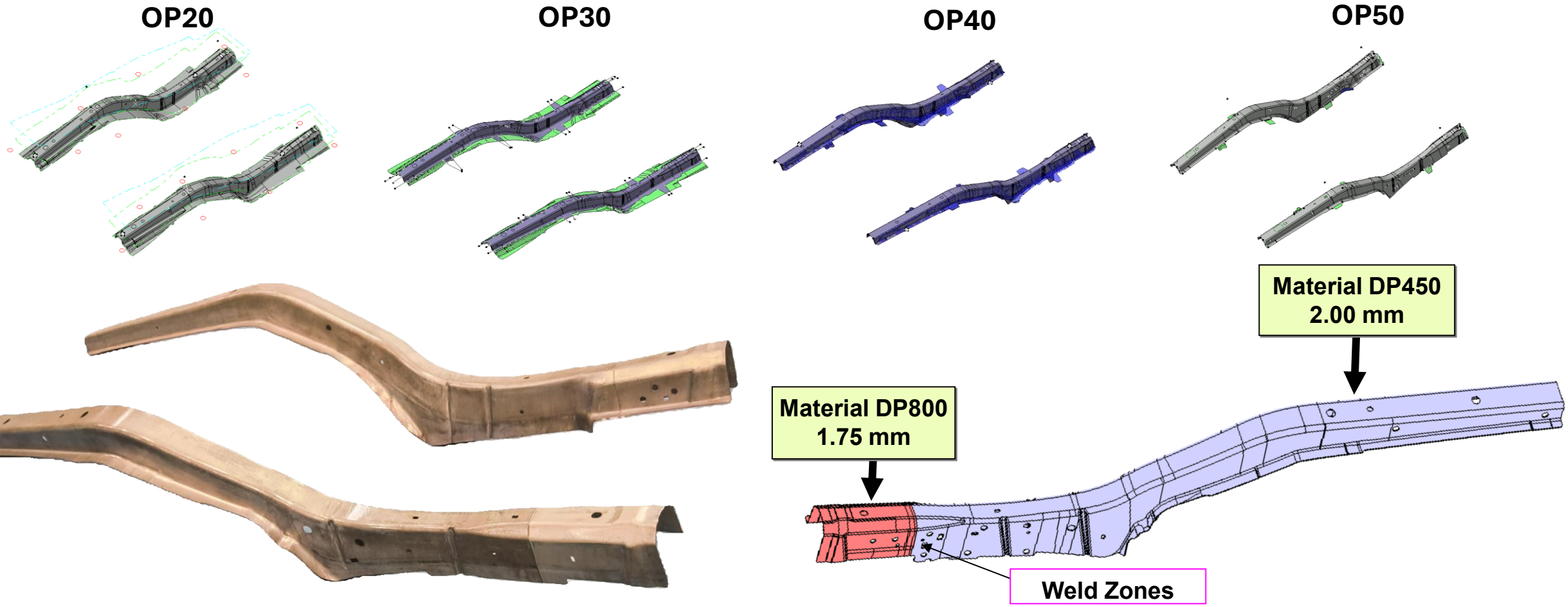
CASE STUDY 2

Structural Reinforcement – Tailored Blank

- Material: DP450 / DP800
- Thickness range: 1.75 – 2.0 mm

Key value delivered:

- Optimized forming process
- Robust weld zones



AHSS EXPERTISE

Advanced High-Strength Steels

- DP600 / DP800 / DP1000
- TRIP steels
- Structural and safety-critical parts
- Tooling designed for material behavior

DP 1000



DP 600



DP 800



TAILORED BLANK
DP 450 + DP800



TRIP 800



STRUCTURAL PARTS

Structural Parts Experience

- Heat deflectors
- Tractor panels
- Rear back panels
- Heavy-gauge stamped components

TRACTOR PANEL



REAR BACK PANEL

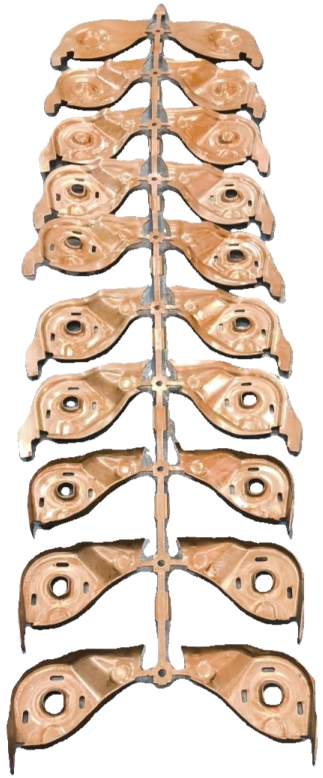


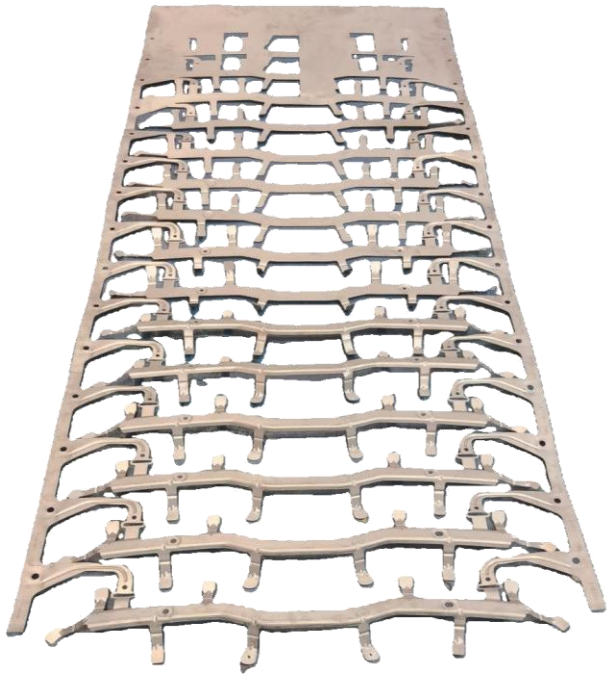
HEAT DEFLECTOR



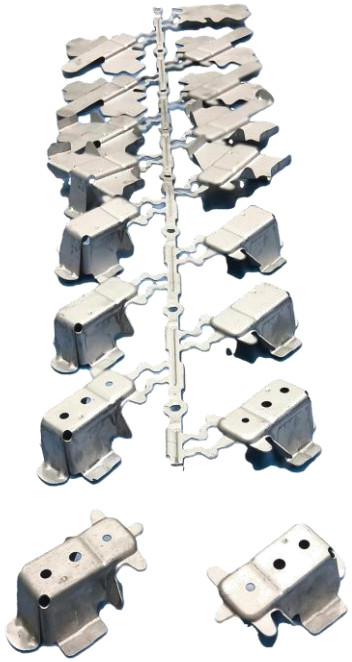
Progressive Dies

- ✓ Small to large size
- ✓ High-volume production
- ✓ Complex geometries
- ✓ Robust and repeatable processes









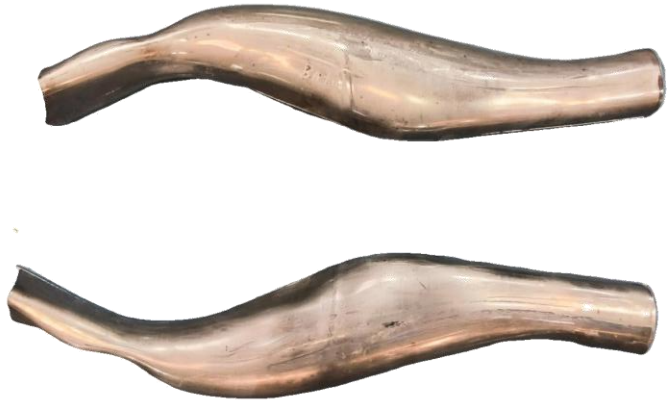




SUSPENCION PARTS DEVELOPED

- Chassis and suspension tooling







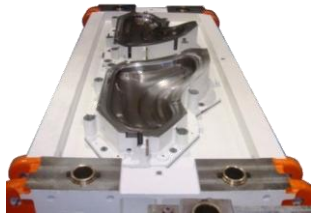


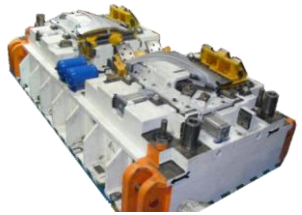
Experience across multiple vehicle platforms

TOOLING DEVELOPED

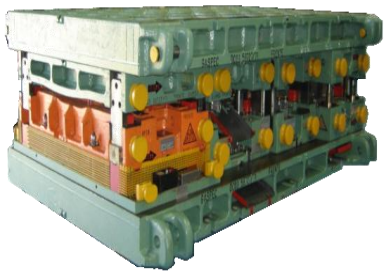
- BIW tooling
- Chassis and suspension tooling
- Progressive dies
- Structural reinforcement tooling

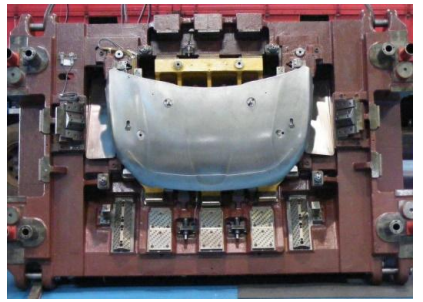
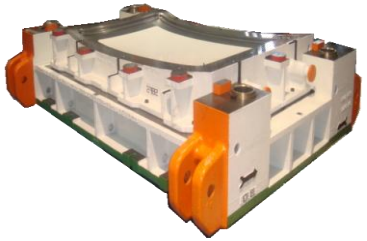
Experience across multiple Vehicle platforms



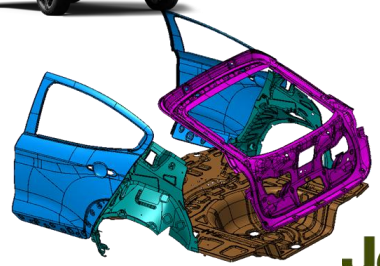
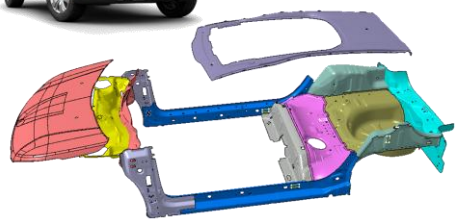
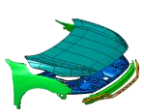









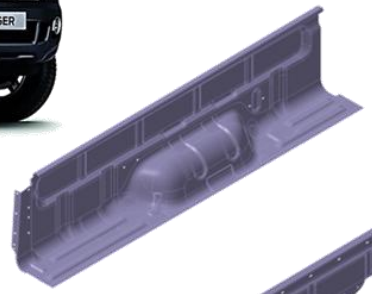





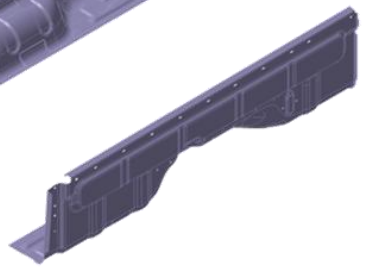


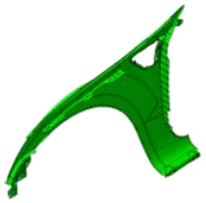


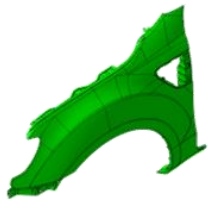
EXPORT EXPERIENCE











Export & Global Support

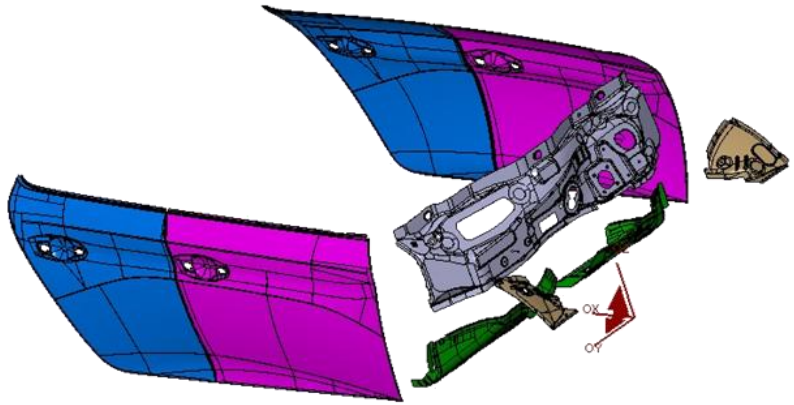
- ✓ Tool export experience
- ✓ Secure packaging and logistics
- ✓ Remote buy-off support
- ✓ English-speaking engineering interface

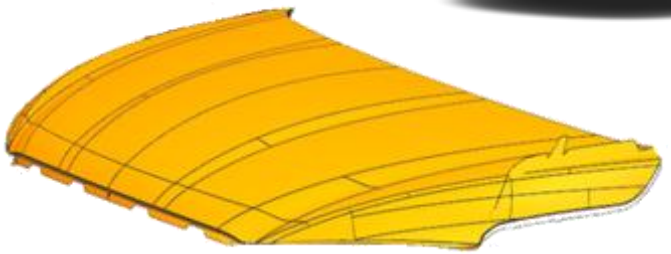


PEUGEOT

FIAT







QUALITY & OEM MINDSET

Quality & OEM Mindset

- ISO quality system
- CMM and 3D scanning
- PPAP / APQP capable
- Traceability and documentation



BUREAU BRASILEIRO DE VERIFICAÇÃO DA QUALIDADE

FERRAMENTARIA GASPEC LTDA.

AVENIDA NOVO HORIZONTE N º 255 - VILA SACADURA CABRAL.

CEP: 09.060-820 –SANTO ANDRÉ – SP.

CNPJ: 03.635.958/0001-47

BRASIL

BBV QUALIDADE CERTIFICA QUE O SISTEMA DE GESTÃO DA ORGANIZAÇÃO ACIMA FOI AUDITADO E FOI COMPROVADO QUE CUMPRE OS REQUISITOS DA NORMA DETALHADA ABAIXO.

ISO 9001:2015

ESCOPO DE CERTIFICAÇÃO

"CONSTRUÇÃO E COMERCIALIZAÇÃO DE DISPOSITIVOS E ESTAMPOS DE CORTE, DOBRA, REPUXO, PROGRESSIVO E PROTÓTIPOS METÁLICOS".

Nº CERTIFICADO: **SQ-972/2024**

EMISSÃO CERTIFICADO: **20/09/2024**

CONCESSÃO DO CICLO DE CERTIFICAÇÃO: **14/12/2001**

VENCIMENTO CERTIFICADO: **21/09/2025**

VALIDADE CICLO DE CERTIFICAÇÃO: **21/09/2027**

ESTE CERTIFICADO É VÁLIDO E MANTÉM-SE VÁLIDO SUJEITO AS AUDITORIAS DE ACOMPANHAMENTO SATISFATÓRIAS.

SANTO ANDRÉ, 20 DE SETEMBRO DE 2024

Viviane Campos Ribeiro
Gerente Administrativo

"A ÚLTIMA REVISÃO SUBSTITUI E CANCELA AS ANTERIORES"

REVISÃO 00

F0-174 – REV.11

BBV Qualidade Ltda – ME – CNPJ: 25.129.457/0001-21
Avenida Industrial, nº 1680 – Sala 612, T2 – 06° Andar, CEP: 09080-501
Bairro Campestre, Santo André – São Paulo - SP.

WHY GASPEC

- Full in-house tooling and try-out
- Large tool and press capability
- Advanced engineering and AHSS expertise
- Proven experience in structural parts
- Cost-effective and reliable alternative to Asian sourcing

CONTACT

Maurício Tomazetti Filho- COO

+55 11 999956009

tomazetti@gaspec.com.br

Comercial

+55 11 44218701

vendas@gaspec.com.br

North America business development available

https://www.gaspec.com.br/

https://www.linkedin.com/company/ferramentaria-gaspec/about/?viewAsMember=true

https://maps.app.goo.gl/Hz3j7gRaTQf66qJUA