



ASKATLAN MEXICO SA DE CV

Development and solutions to your need

Material handling

About us

We are a specialized company in design and developing of packing in the automotive industry



BEND Word Class Manufacturing was founded in 2005 with the intention of providing racks for the automotive industry. At present, we have identified new needs of material handling and protection of different types of parts, which makes us expand our product line that now has:

- Racks
- Containers
- Dollies
- Conveyors
- Minomies
- Containers folding
- Baskets

We have several options for material handling, in which makes combinations to solve the needs to our customers.

Also we are in progress of getting ISO 9000.

Our Facilities and productive capacity



- Our total space is 10220 m²
- In area of cutting and enabled 870 m²
- In assembly area 1083 m² divided in two production series lines
- In finished area 684 m²
- Offices area 83 m²
- In another location we have an outside storage space of 2500 m²
- We count with 90 employees at the operational part working in two separate shifts
- 36 welders in production area and 4 welders in prototyping
- Our production team is certificated with the STPS DC-3 for the different areas in the Company.



Our machinery



Cutting area

- CNC Bending machine Yangli
- CNC Cutting machine Yangli
- CNC Profile roller machine Yangli
- CNC Sheet roller machine
- Band saw for metal cutting DURMA
- Band saw for metal cutting LENOX
- Band saw for metal cutting LENOX
- Wheel saw for metal cutting
- 3 Bench type drilling machine
- Plasma CNC cutting machine HYPER THERM

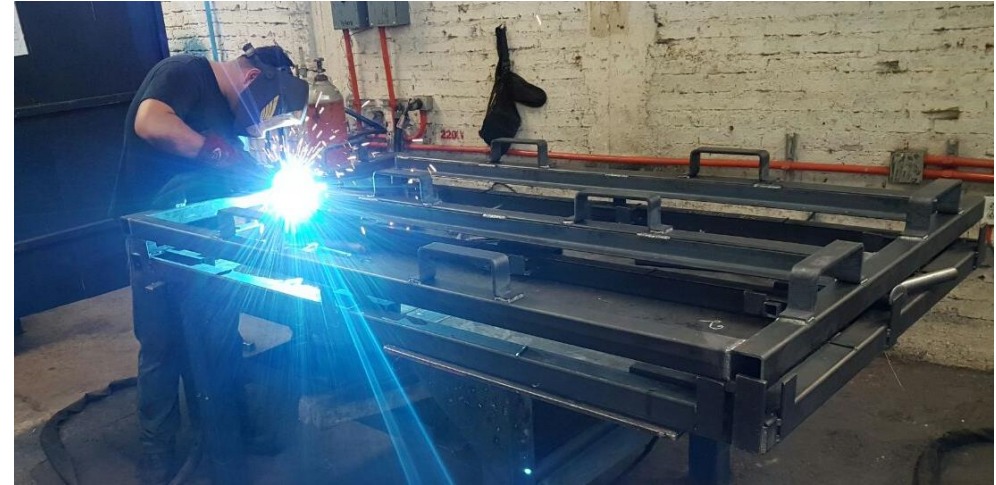


Our machinery



Welding area

- 30 mig welding machine MILLER model S252
- 2 tig welding machine MILLER
- 2 Plasma cutting machine (manual) POWER MAX and ESAB



Our machinery



Robotic arm (welding)
UNIV-ROBOT-UR10 23153200
Universal Robot

Time production and time to design



PRODUCTION TIME (with one shift)

We are consider in this leadtime the time for buying materials and the time to make the jigs, and first article.

Complexity	4-8 weeks, from PO, to complete the order	6-10 semanas, generada la PO, para completar el pedido
Easy	700 pcs (2 models)	1000 pcs (2 or 3 models)
Medium	400 pcs (2 models)	700 pcs (2 or 3 models)
Complex	200 pcs (1 model)	350 pcs (2 models)
Mixed	300 pcs easy + 100 pcs complex	500 pcs easy + 200 pcs complex
Mixed	200 pcs medium + 100 pcs complex	300 pcs medium + 200 pcs complex

Quality Process controls



Some examples of the documents that we develop on each area of manufacture and production:

Work instruction.-document that contains the points to inspect on each process

- Cutting area(straight and angled cut, plasma cut, sheet cut, drilling, bending, roll etc.)
- Assembly (welding process)
- Finish (Paint and assembly of the bolts and other accessories).

		FECHA DE EMISION:	AREA:	SOLDADURA
ESPECIFICACION DE LA OPERACIÓN		OPERACION:		
 <div style="text-align: center; background-color: green; color: white; padding: 5px; width: fit-content; margin: 0 auto;">OK</div>	 <div style="text-align: center; background-color: red; color: white; padding: 5px; width: fit-content; margin: 0 auto;">N/G</div>	INSPECCION DE CALIDAD SOLDADURA		
INSTRUCCIONES DE OPERACIÓN		HERRAMIENTA Y MAQUINARIA:		
REVISAR PENETRACION DE SOLDADURA REVISAR QUE EL CORDON DE SOLDADURA SEA UNIFORME REVISAR QUE NO HAYA POROSIDAD EN LA SOLDADURA REVISAR QUE LA SOLDADURA ESTE EXENTA DE SOCAVACIONES		MAQUINA DE SOLDAR ANTISALPICADURA MICROALAMBRE PINZAS DE PUNTA		
		TIPO DE MATERIAL:		
		ACERO		
PUNTOS CRITICOS		EQUIPO DE PROTECCIÓN		
SALPICADURA EXCESIVA MAL ASPECTO PENETRACION EXCESIVA		CARETA GUANTES TAPONES AUDITIVOS CAMISOLA		

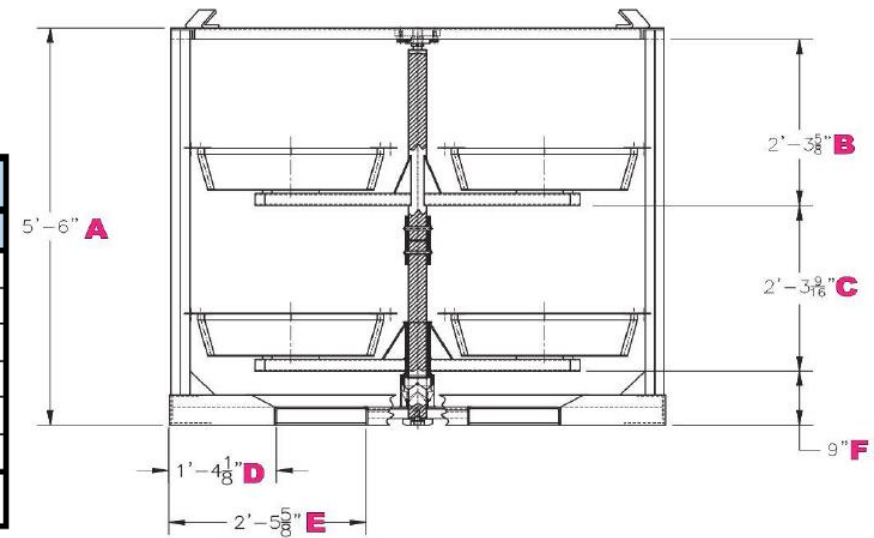
Quality Process controls



REPORTE DIMENSIONAL

PROYECTO: GREEN TIRE RACK
 EMBARQUE: 305-312
 FECHA: 29/06/2017

DIMENSIONES		NUMERO RACK							
COTA	REF	305	306	307	308	309	310	311	312
A	66.00	66.00	66.00	65.88	65.88	66.00	66.88	66.88	65.94
B	27.63	27.63	27.63	27.50	27.63	27.50	27.50	27.63	27.50
C	27.56	27.63	27.50	27.63	27.69	27.50	27.69	27.63	27.63
D	16.13	16.13	16.13	16.13	16.25	16.13	16.13	16.13	16.13
E	29.63	29.63	29.63	29.63	29.50	29.63	29.63	29.63	29.63
F	9.00	9.00	9.00	8.94	9.00	9.00	9.00	8.94	9.00
OBSERVACIONES									



Dimensional Report.-document where the dimensions that must be reviewed in each of the racks or devices are shown. They are defined according to the customer's operation needs

This document is generated by the design area and is landed in the assembly area (subassemblies and general assembly).

Quality Process controls

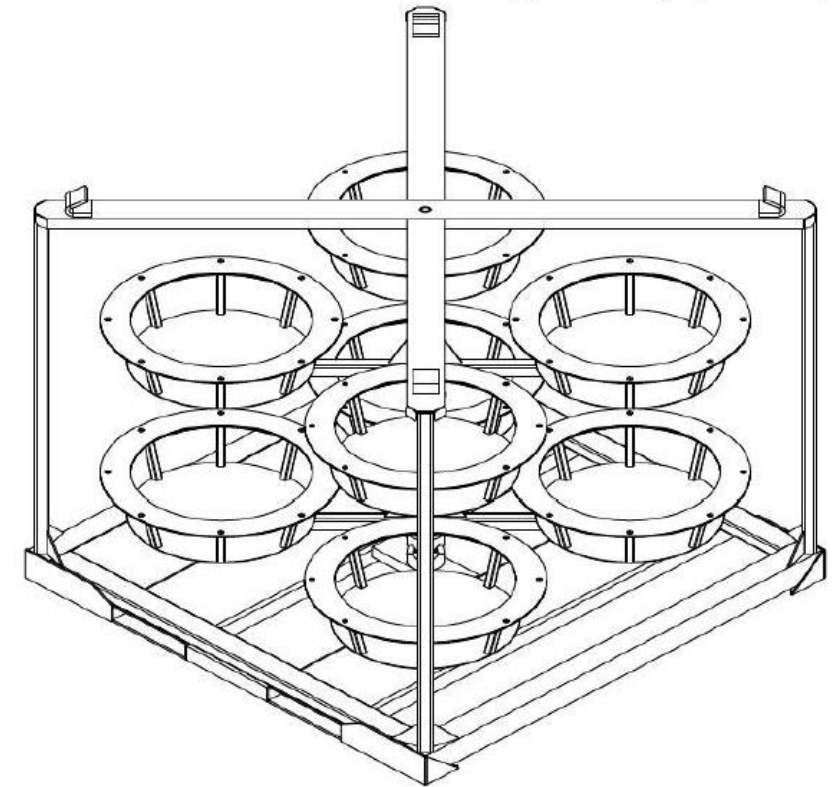


REPORTE DE ACABADO



PROYECTO: GREEN TIRE RACK
EMBARQUE: 305-312
FECHA: 29/06/2017

CONCEPTO	NUMERO RACK							
	305	306	307	308	309	310	311	312
PINTURA	✓	✓	✓	✓	✓	✓	✓	✓
ROTULO	✓	✓	✓	✓	✓	✓	✓	✓
SOLDADURA	✓	✓	✓	✓	✓	✓	✓	✓
ESCOREADO	✓	✓	✓	✓	✓	✓	✓	✓
BELTING	✓	✓	✓	✓	✓	✓	✓	✓
TORNILLERIA	✓	✓	✓	✓	✓	✓	✓	✓
OBSERVACIONES								



Finish report .-document showing the finishes on the different surfaces of the rack or device. They are defined according to the customer's operation needs

This document is generated by the design area and is landed in the painting and finishing area.

Quality Process controls



A procedure for quality confirmation was implemented, where critical points of each Project are shown that must be verified before shipment and delivered to the client.

BEND
World Class Manufacturing

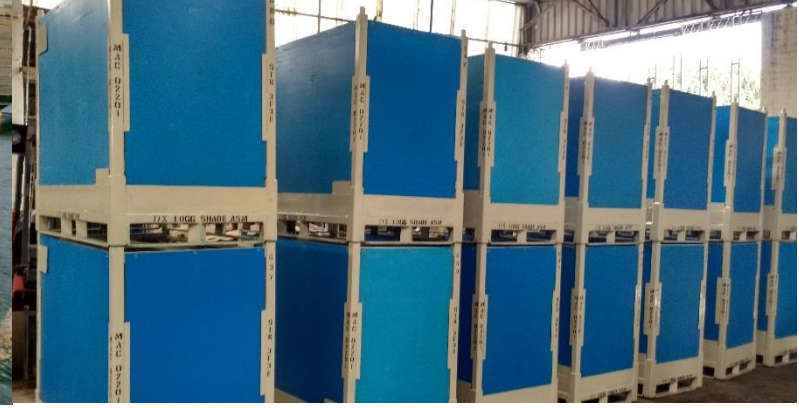
PROCEDIMIENTO PARA CONFIRMACION DE CALIDAD

NUMERO DE OPERACION	OPERACION	DESCRIPCION
1	A- INSPECCION DE CANASTILLA	INSPECCIONAR CANASTILLA, VERIFICANDO NO LLEVE ESCORIA DE SOLDADURA EN LAS PARTES PLANAS Y SIN FILDS
2	B- INSPECCION DE CUERPO DE CANASTILLA	INSPECCIONAR SOLDADURA EN PTR ARIBA Y DEBAJD DE FORMA UNIFORME
3	C-REVISION DE HUACAL	INSPECCION Y CONFIRMACION DE SOLDADURA EN TODAS LAS UNIONES EN TODA LA ESTRUCTURA
4	D-CONFIRMACION DE FLECHA	REVISAR POR LA PARTE SUPERIOR DEL RACK QUE LA FLECHA TENGA 1/16 O -1/16
5	E- PRUEBA DE GIRO	REALIZAR PRUEBA DE GIRO EN AMBOS REHILETES HACIA AMBOS LADOS , DEBE SER UN GIRO LIBRE
6	F- CHEQUEO DE BALANCE	REALIZAR PRUEBA DE MOVIMIENTO VERTICAL , SIN JUEGO EN REHILETES EN AMBOS PUNTOS
7	G- INSPECCION GENERAL	INSPECCIONAR LA PINTURA EN EL RACK, SIN RAYAS, MALA APLICACION, GOLPES Y DAÑOS POR MOTARCARGAS

REVISO	ELABORACION	VERSION	FECHA	DESCRIPCION
EDER GOMEZ	OMAR GALLEGOS	1	02/08/2017	NUEVA ELABORACION

Gallery of Works

We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



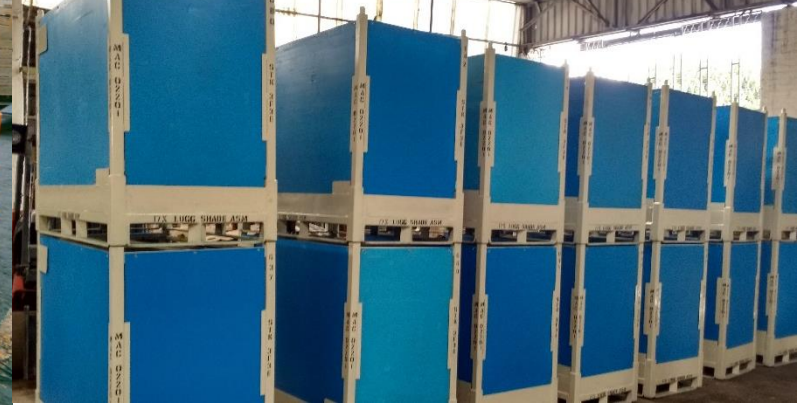
Project: Green Tire Rack

Client: Michelin

Project scope: Design, prototype and massive production

Gallery of Works

We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project: Cassete
Client: Michelin
Project scope: Prototype

Gallery of Works

We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



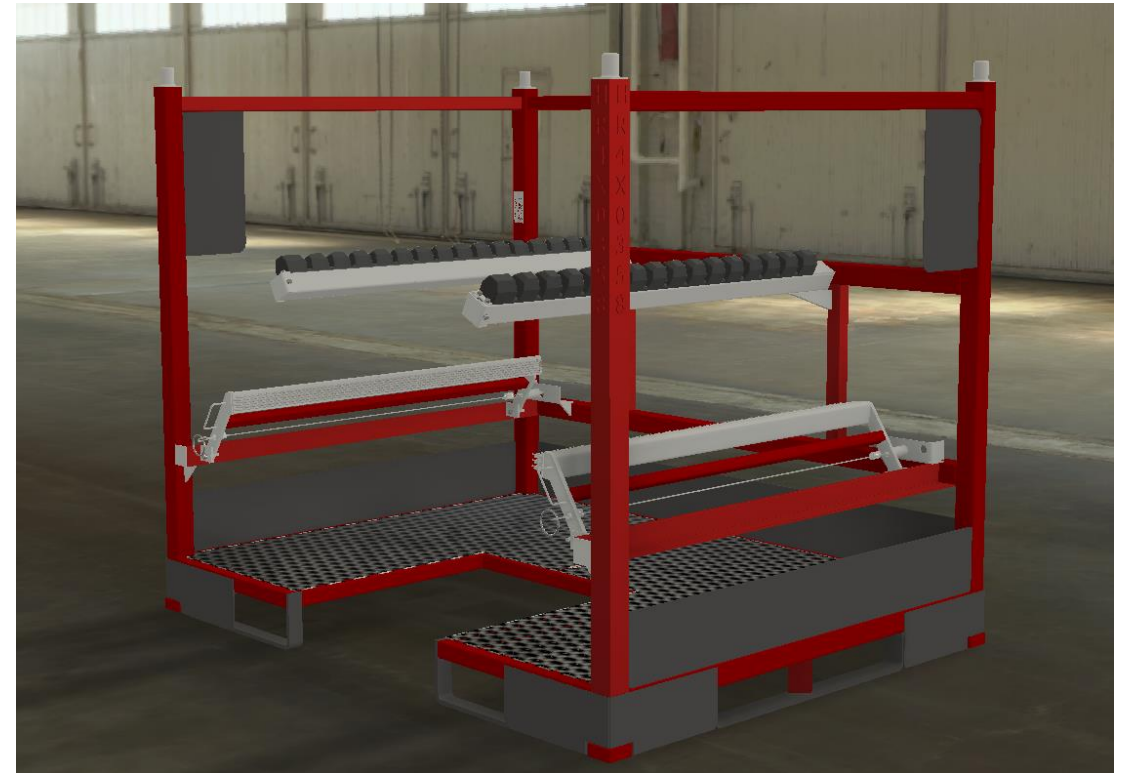
Project: Mofles

Client: Honda

Project scope: Design, prototype and massive production

Gallery of Works

We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



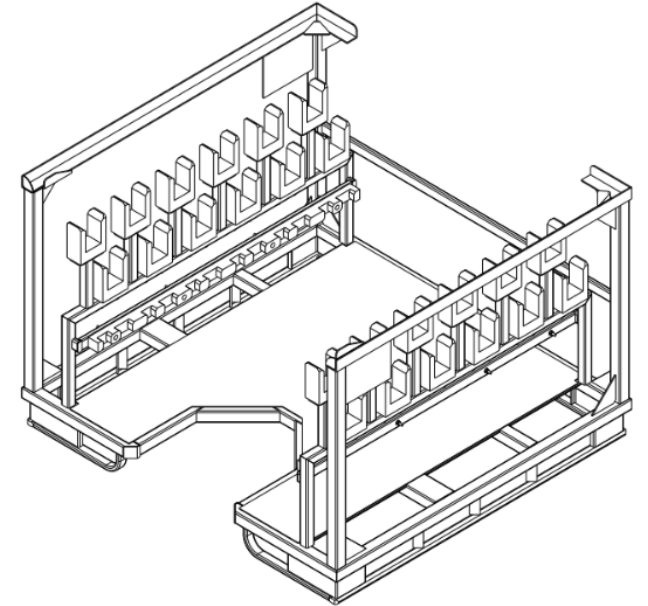
Project: Stiff Comp

Client: Honda

Project scope: Design, prototype and massive production

Gallery of Works

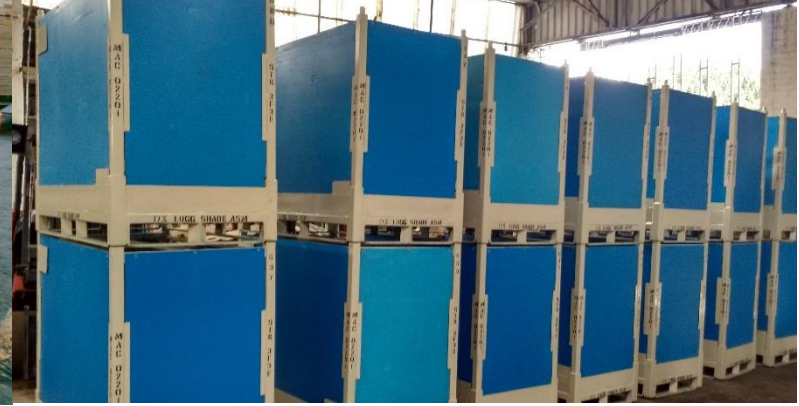
We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project: Rack Gancho Remolque
Client: Volkswagen
Project scope: prototype and massive production

Gallery of Works

We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



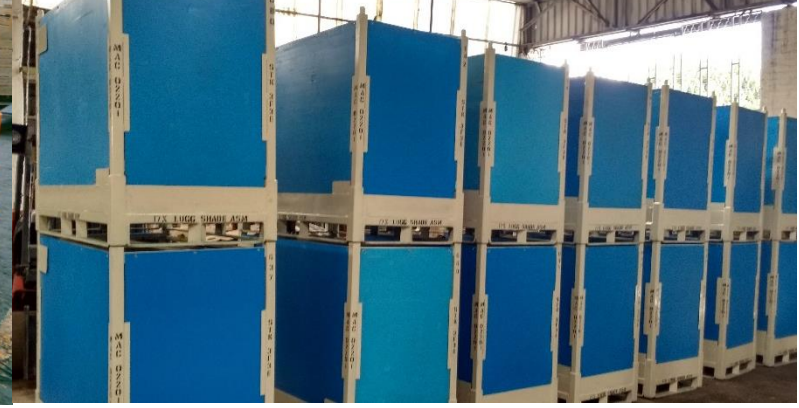
Project: Rack Front Hood

Cliente: Volkswagen

Project scope: Prototype and massive production

Gallery of Works

We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



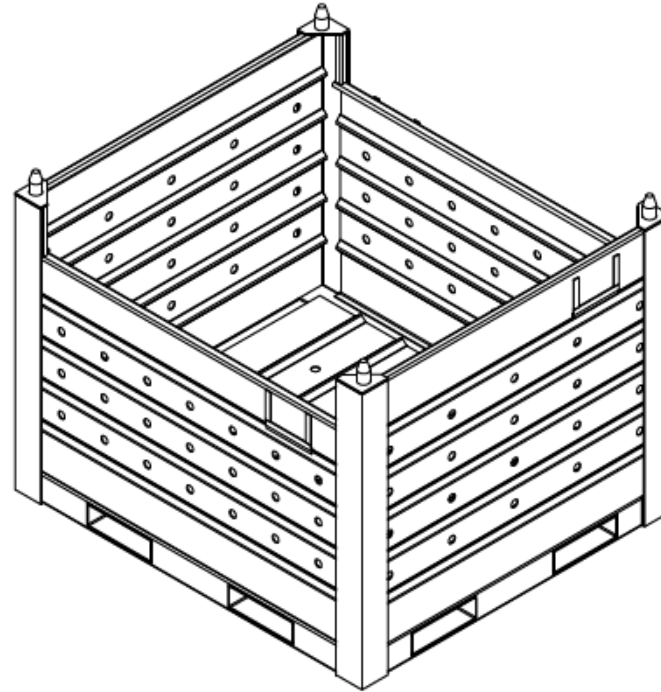
Project: Dolly para pedestal

Client: Oshkosh

Project scope: Design, prototype and massive production

Gallery of Works

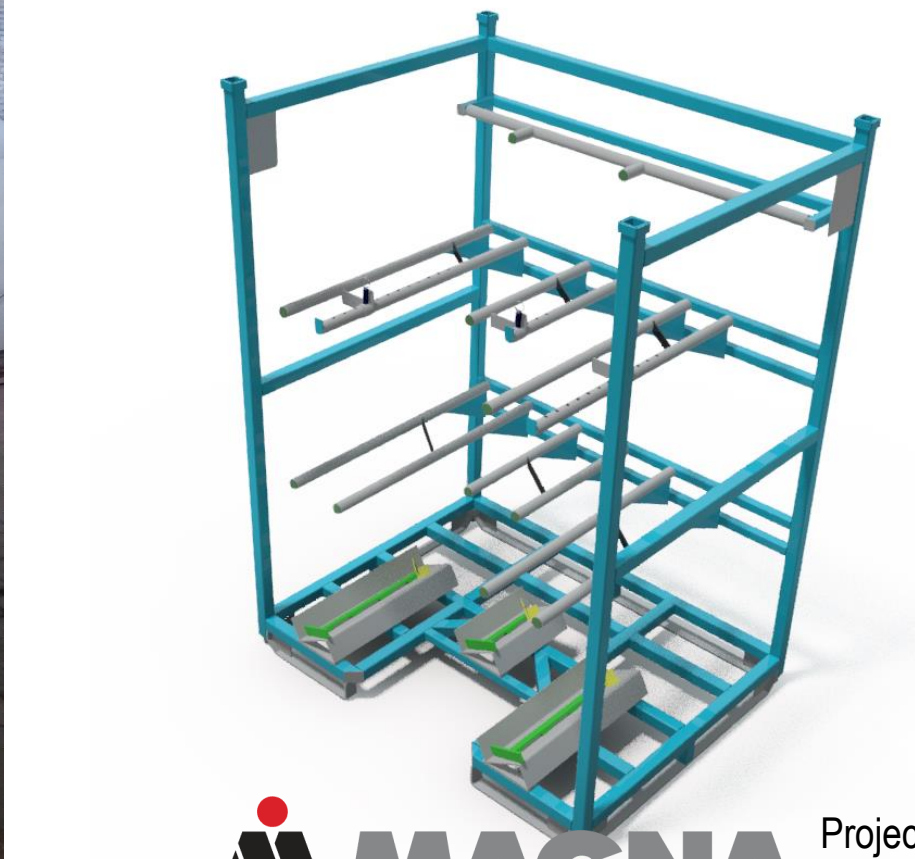
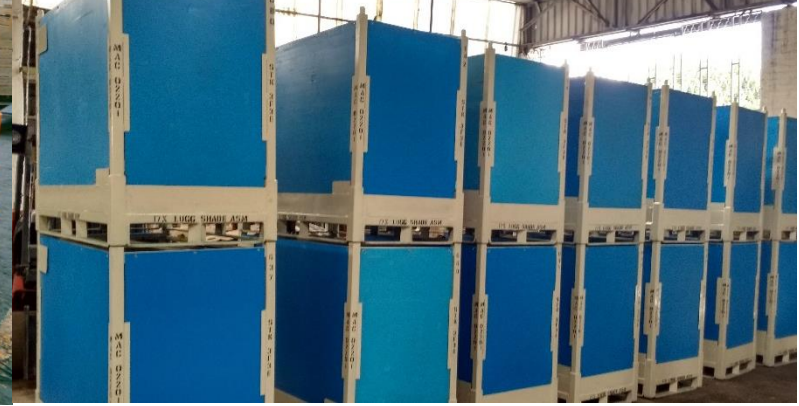
We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project: STD Container 54X48X40
Cliente: American Axle
Project scope: Massive production.

Gallery of Works

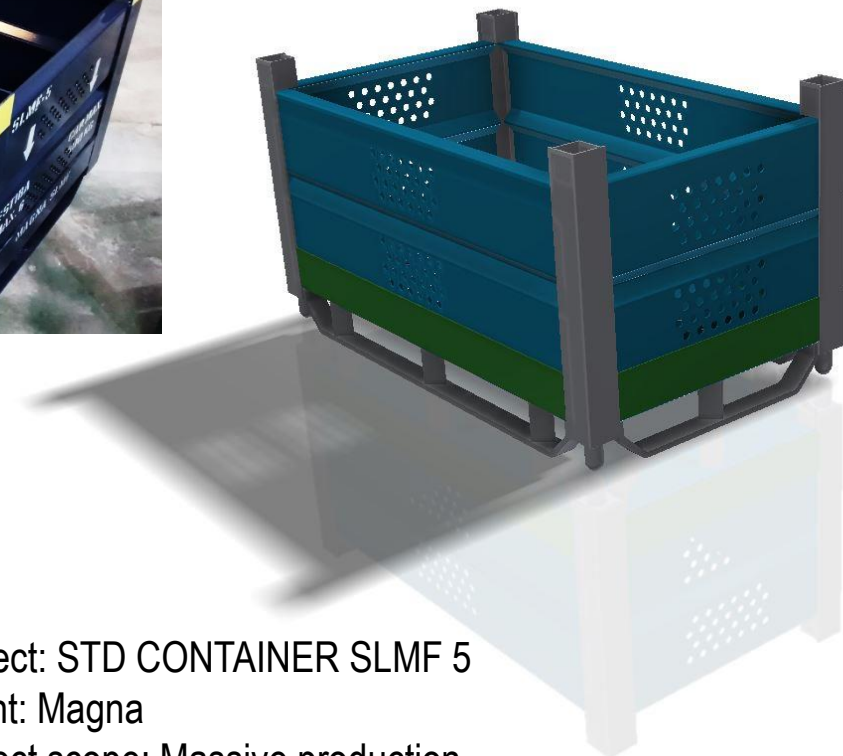
We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project: SLMF 14 & 15
Client: Magna
Project scope: Design, prototype and massive production

Gallery of Works

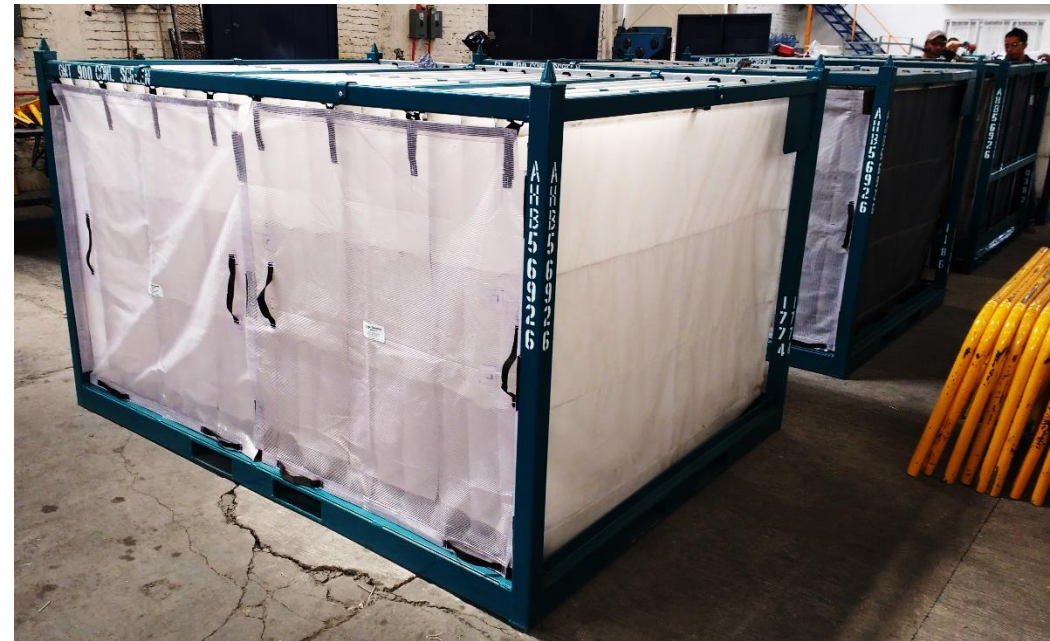
We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project: STD CONTAINER SLMF 5
Client: Magna
Project scope: Massive production

Gallery of Works

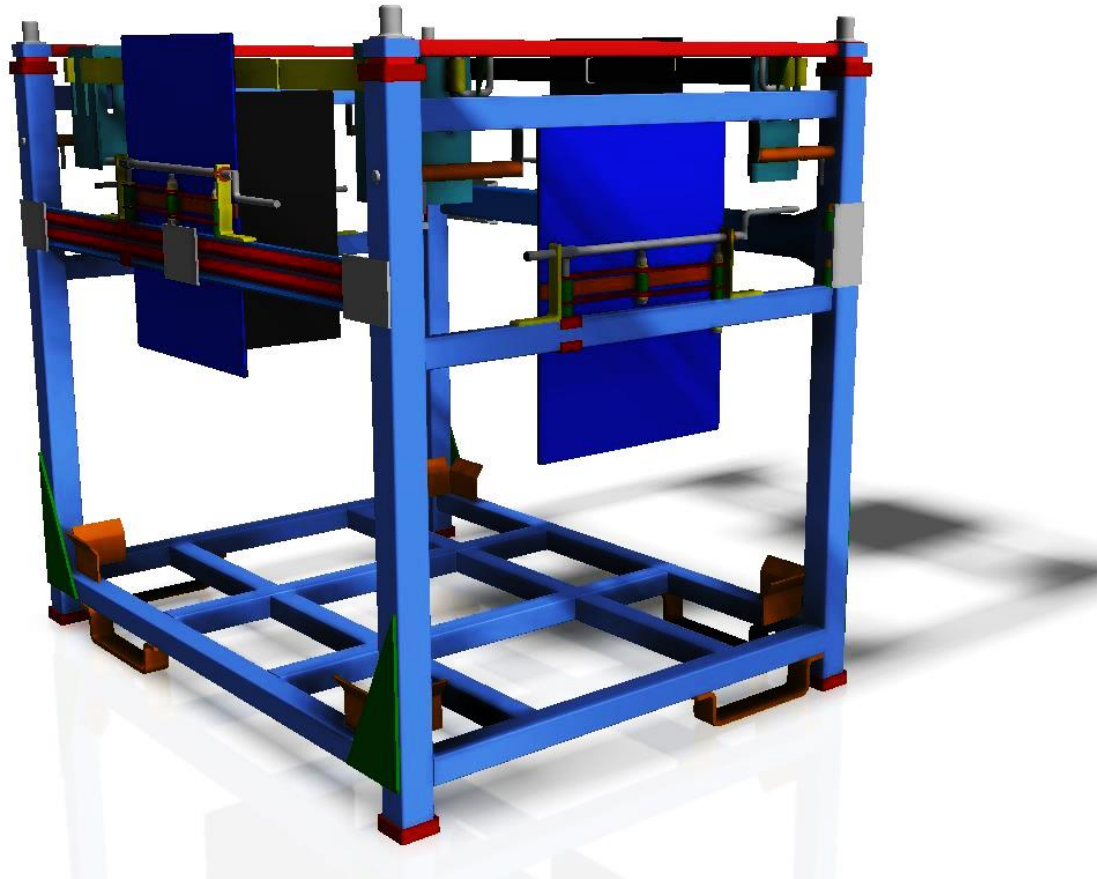
We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project: AHB56926
Client: GM
Project scope: Repairs

Gallery of Works

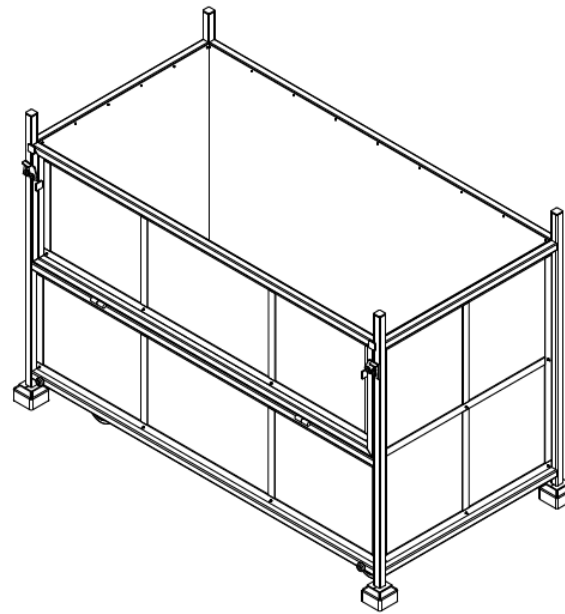
We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project : Rack Ajustable
Client: Ferromex
Project scope: Design, prototype and massive production

Gallery of Works

We design and manufacture disposable and returnable packaging for the automotive sector, with different applications in metal, plastics and wood



Project: Daisha
Client: Roki
Project scope: Prototype and massive production

Engineering

For the development of each project, the design and engineering area generates the necessary technical information.



This information is captured in the documents:

Manufacturing plans.-Contains the specifications of material, dimensions, assembly and weld specification, finishing that each part of the rack must carry.

As well as an boom of the materials (steel and accessories) that specifies the materials to be used during the manufacturing processes.

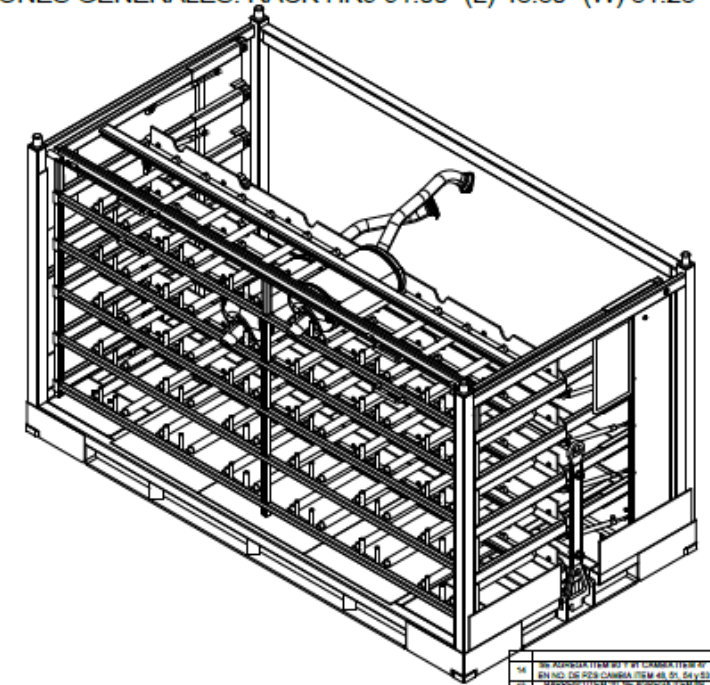
NOTAS GENERALES:

- 1.- LA SOLDADURA NO ESPECIFICADA SERA DE 0.19 CONTINUA.
- 2.- TODAS LAS UNIONES SOLDADAS DEBERAN REALIZARSE ANTES DEL PROCESO DE PINTURA
- 3.- LAS DIMENSIONES ENCERRADAS CON □ SON CRITICAS.
- 4.- ELIMINAR FILOS CORTANTES Y EXCESO DE SOLDADURA.
- 5.- TAPAR TODOS LOS HUECOS.
- 6.- VELCRO SE UNE A LA ESTRUCTURA CON PEGAMENTO AMARILLO

LISTA DE MATERIALES

No	CANT	DESCRIPCION	DIMENSIONES	CATEGORIA
1	2	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	86.50 in	
2	2	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	44.00 in	
3	1	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	66.75 in	
4	4	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	21.00 in	
5	3	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	12.81 in	
6	1	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	8.00 in	
7	2	PLACA FO 0.25" 48" X 120" CAL. 1#	12.810 in X 9.940 in	MAQUILA
8	2	PLACA FO 0.25" 48" X 120" CAL. 1#	12.810 in X 9.940 in	MAQUILA
9	2	SOLERA FO 0.375" X 2.00" 6.00 m CAL. 3#	72.571 in	MAQUILA
10	7	ANGULO FO 0.188" X 2.00" 6.00 m CAL. 3#	3.000 in	
11	2	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	17.88 in	
12	2	CASQUILLO AL 3#		ACCESORIO
13	2	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	18.08 in	
14	2	SOLERA FO 0.375" X 2.00" 6.00 m CAL. 3#	30.071 in	MAQUILA
15	2	LAMINA RC 0.075" 48" X 120" CAL. 1#	1.875 in x 1.875 in	MAQUILA
16	2	METAL DESPLEGADO J48-10 ROLLO 38" X 12 m	18.000 in X 46.000 in	
17	1	METAL DESPLEGADO J48-10 ROLLO 38" X 12 m	22.000 in X 46.000 in	
18	1	ANGULO FO 0.125" X 2" 6.00 m CAL. 1#	18.320 in	
19	4	TUBO CUAD 2.00" 0.120" 6.00 m CAL. VERDE	51.00 in	
20	1	TUBO RECT 2.00" X 1.00" 0.120" 6.00 m CAL. 1#	44.00 in	
21	4	COPA TROQUELADA, DIVISION #1738 - NH		ACCESORIO
22	4	TUBO CUAD 2.50" 0.188" 6.00 m CAL. ROJO	1.00 in	
23	10	SOLERA FO 0.25" X 1.50" 6.00 m CAL. 1#	1.500 in	
24	2	LAMINA RC 0.075" X 48" X 120"	14.000 in X 8.000 in	MAQUILA
25	1	PLACA FO 0.25" 48" X 120" CAL. 1#	42.750 in X 10.006 in	MAQUILA
26	20	BALL STUD JWF 10 MM		ACCESORIO
27	8	SOLERA FO 0.188" X 2.00" 6.00 m CAL. 3#	3.848 in	MAQUILA
28	35	TUE HEX C-LOCK GALV 1#		ACCESORIO
29	1	PLACA FO 0.25" 48" X 120" CAL. 1#	42.750 in X 10.006 in	MAQUILA
30	8	LAMINA RC 0.120" 48" X 120" CAL. 1#	11.875 in X 5.083 in	MAQUILA
31	1	TUBO CUAD 1.00" 0.120" 6.00 m VERDE	33.00 in	
32	5	PLACA FO 0.188" 48" X 120" CAL. 3#	87.250 in X 249 in	MAQUILA
33	5	DIAPHRAGM 0.25" X 3" X 84.25" HDPE		ACCESORIO
34	10	TUBO RECT 2" X 1" 0.120" 6.00 m CAL. 1#	18.89 in	
35	5	TUBO CUAD 1.00" 0.120" 6.00 m VERDE	85.25 in	
36	4	TUBO CUAD 1.00" 0.120" 6.00 m VERDE	0.84 in	
37	60	TUBO RED 0.840" 0.100" 6.00 m NOM 1/2 CED-40	17.760 in	
38	60	TAPA CIRCULAR 3#4 DIAM		ACCESORIO
39	30	REDONDO FO 3#4 6.00 m	8.888 in (aprox.)	
40	60	MANGUERA DE HULE NEGRO 3#4	2.625 in	ACCESORIO
41	15	LAMINA RC 0.120" 48" X 120" CAL. 1#	0.880 in X 0.880 in	MAQUILA
42	12	LAMINA RC 0.120" 48" X 120" CAL. 1#	1.880 in X 0.880 in	MAQUILA
43	1	TUBO CUAD 1.00" 0.120" 6.00 m VERDE	1.34 in	
44	35	TOR HEX GALV 1#4 X 1"		ACCESORIO
45	8	TUBO RECT 2.00" X 1.00" 0.120" 6.00 m CAL. 1#	20.00 in	
46	8	TUBO CUAD 1.00" 0.120" 6.00 m VERDE	6.33 in	
47	2	SOLERA FO 0.125" X 2.00" 6.00 m CAL. 1#	1.858 in	MAQUILA
48	5	LAMINA RC 0.120" 48" X 120" CAL. 1#	85.250 in X 3.816 in	MAQUILA
49	10	T LISA 3#16" X 2" 42.50"		ACCESORIO
50	4	TUBO CUAD 1.00" 0.120" 6.00 m VERDE	7.33 in	

DIMENSIONES GENERALES: RACK HR9 91.00" (L) 48.50" (W) 51.25" (H)



14	RE APLICAR TAPA DE PROTECCION	150000
15	RE APLICAR TAPA DE PROTECCION	150000
16	RE APLICAR TAPA DE PROTECCION	150000
17	RE APLICAR TAPA DE PROTECCION	150000

HONDA

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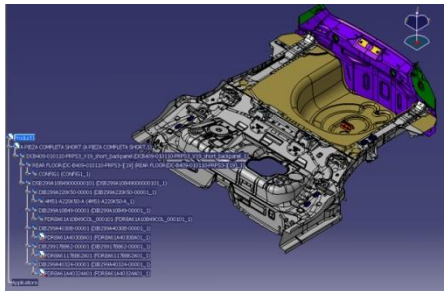
Tolerances Unless Otherwise Specified: Precision As (±) 13 Max (±) 003	Part / Draw Name 1830777X A800M1	Rev (0) / Spec # HRM0034L
Date 13/03/2015	Part / Draw Number BEND-1052	Rev. 1
Design House BEND World Class Manufacturing	Size	Rev Reason
Designer / Engineer ESTEF ORTIZ	Scale 50% ESCALA	Empty Rack Mt (54)
		Sheet 1 of 23

Engineering

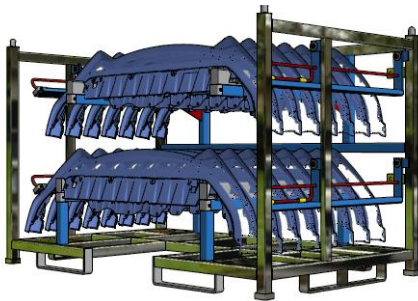
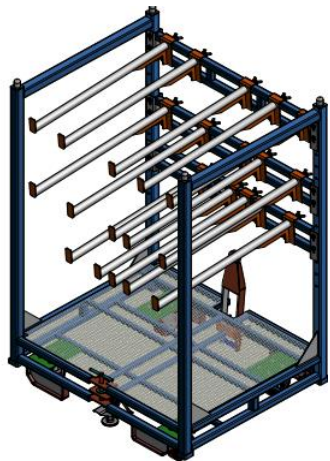
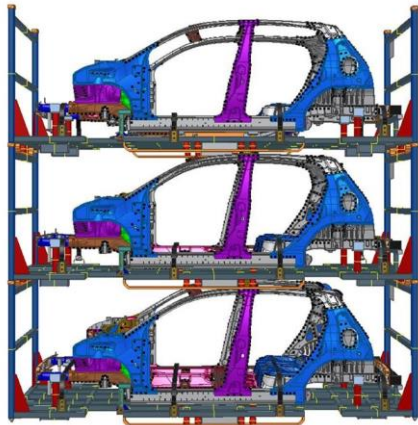
We have specialized software for the design of 3D parts. We handle the formats: .iges, .cat, .part, .stp, .dwg, .dxf



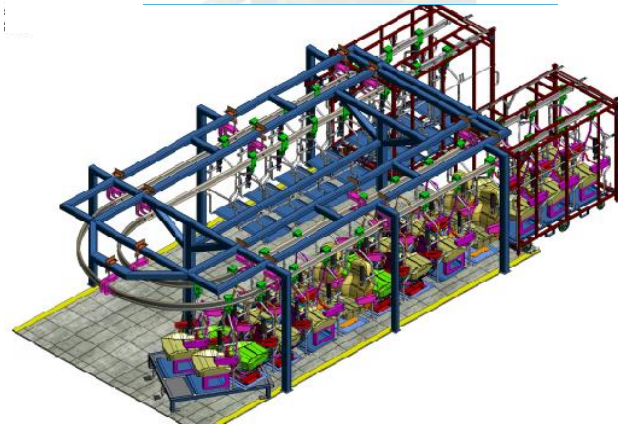
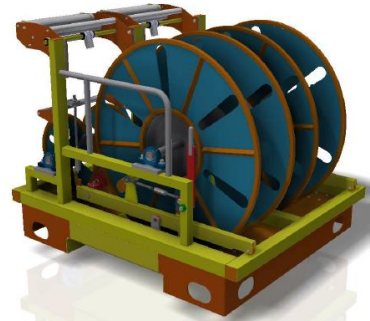
CATIA



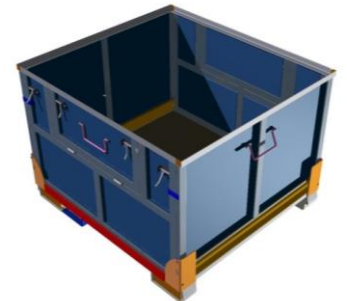
SolidWorks



**AUTODESK
INVENTOR**



SOLID EDGE



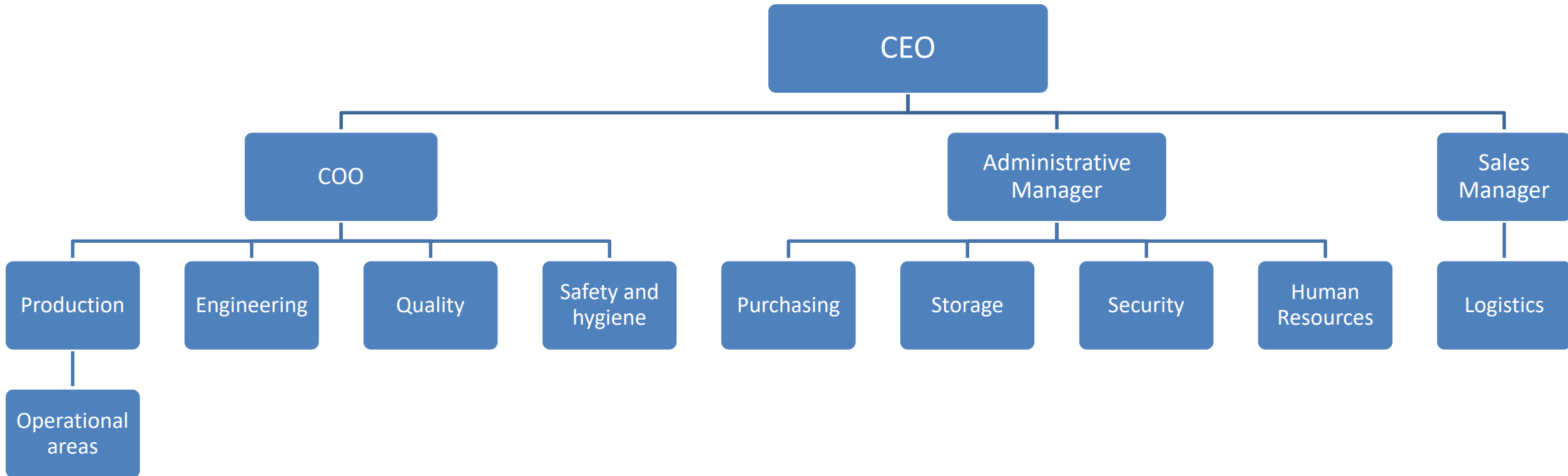
Time production and time to design



DESIGN TIME

Complexity	Concept	Final drawings
Easy	8 days	10 days
Medium	10 days	15 days
Complex	15 days	20 d

General structure of the company



Logistics



- Isuzu model EFL 500 Towing capacity 5 Ton in a 20 ft platform and 48ft platform
- Nissan model TD/DH Towing capacity 1.5 Ton
- Trailer Kenworth T800 Towing capacity 20 Ton Capacidad 20 tons
- Forklift Toyota 3 Ton Capacity
- Forklift Halla 2 Ton Capacity



Costumers

Trabajamos con más de 95 clientes altamente competitivos de la industria automotriz. Aquí algunos de los más importantes.

