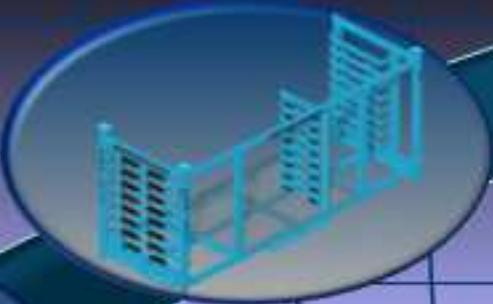
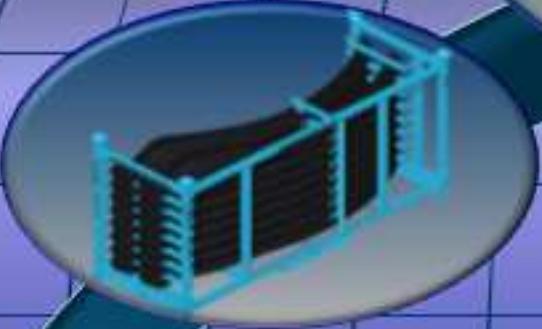
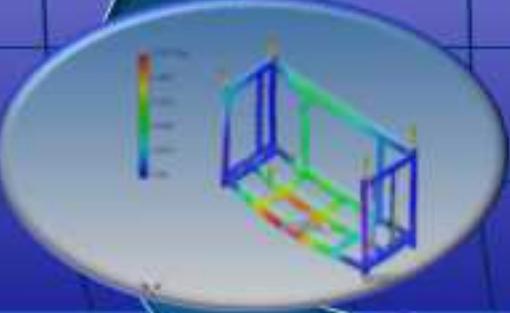
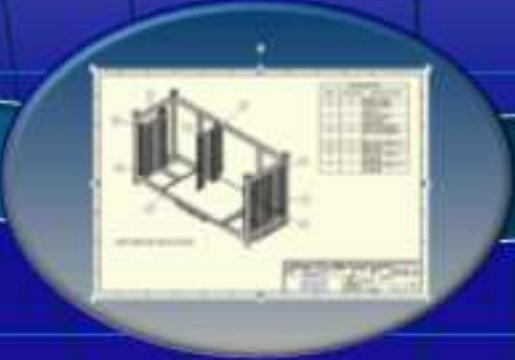




 **VIDAN**  
METALMECANICA S.A. DE C.V.

*Excelencia en manufacturas metálicas*



# ENGINEERING SERVICES

We have been more than 15 years designing materials handling equipment, and almost 30 years of experience in the design and development of products in the automotive industry, therefore we know can offer a professional engineering service at a competitive Price.

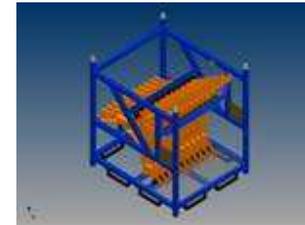
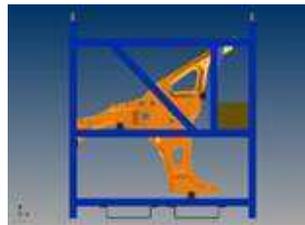
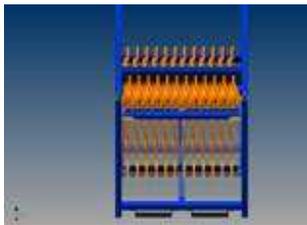
Based on the available information of your product, whether is a physical sample, a 3D model or a 2D drawing....



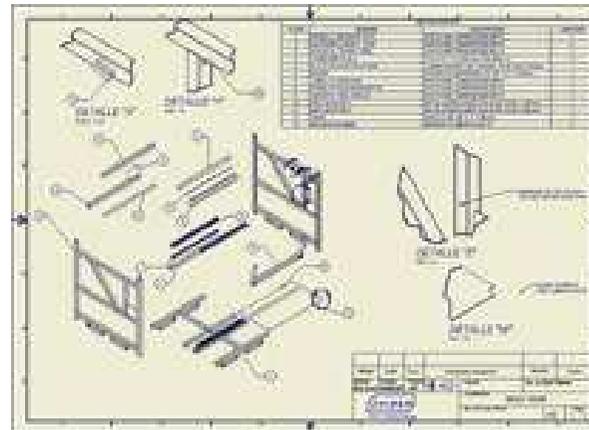
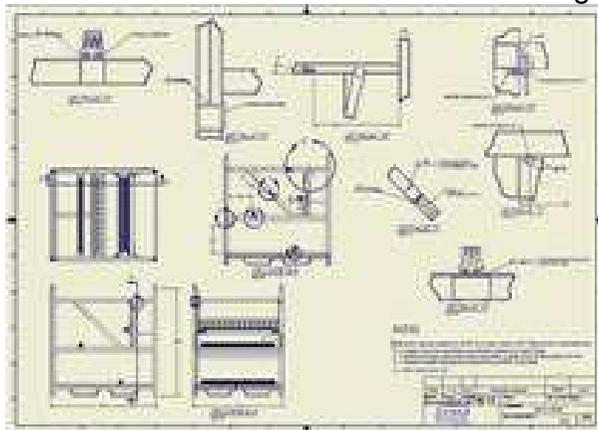
Using a professional methodology, and modern CAD tools, we can generate the conceptual design of your handling devices...



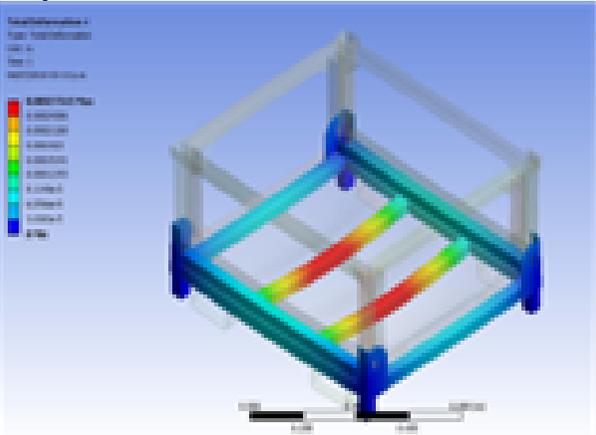
...assessing the optimal packaging based on the most appropriate positioning, fit and fixturing...



...until the creation of detailed fabrication drawings.



When is required, we can assess the resulting stresses and deformations on the product, according to the geometry of the part and material used, and search for the appropriate safety factors.



We can assist you in your materials handling system development projects, from the creation of the concept and virtual prototype, to the fabrication and validation of the physical prototype.

Besides we place at your service a whole range of products developed over the years, among which we can offer:

## HEAVY DUTY WELDED DEVICES

### WELDED CONTAINERS

For heavy duty applications, like bulk forging, stamped parts, machined parts, etc... made of steel sheet, plate, or wire mesh and structural steel profiles.



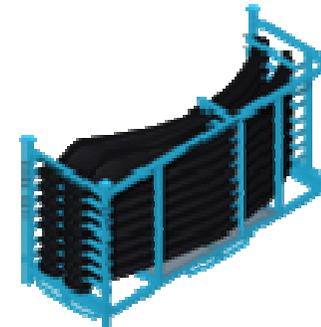
### FOLDING CONTAINERS

They allow you to save space during the storage and return of empty containers.



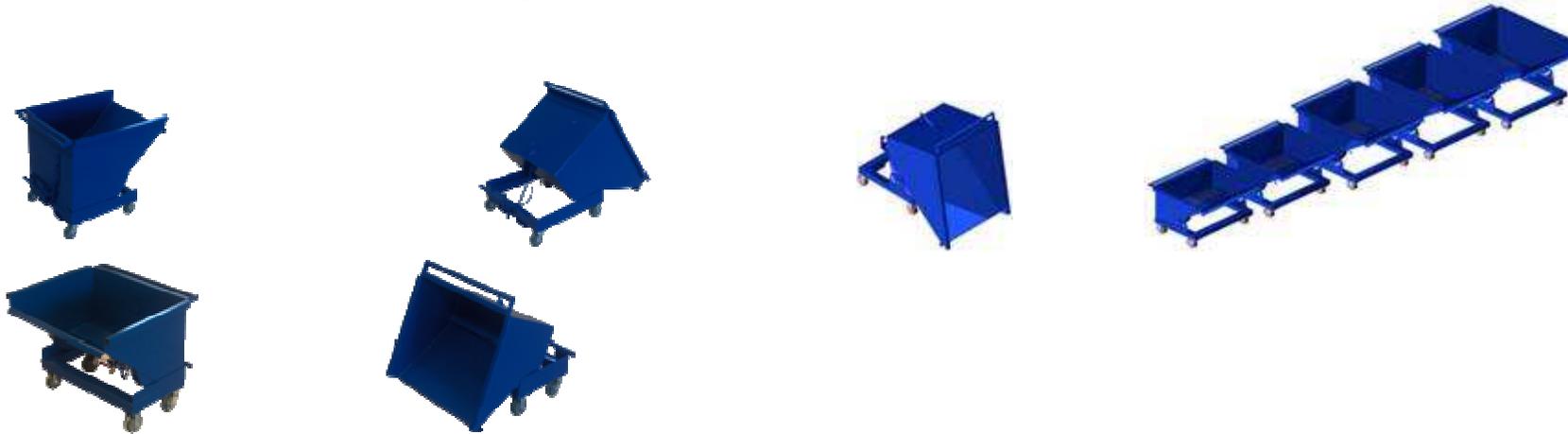
### SPECIAL RACKS

Designed for a safe handling of delicate products which cannot be handled in bulk.



## ECO-FRIENDLY SELF-DUMPING HOPPERS

For manual or forklift transport, it includes a filtration system that allows recovering almost all of the machining soluble, being able to recycling it, therefore generating large savings and helping to meet environmental standards. We developed a parametric model of our hopper, that allows us to adjust our design to specific customer requirements, meeting the same functional performance.



## CUSTOM DESIGNED CARTS FOR WORK IN PROCESS COMPONENTS

They allow you to manually transport medium loads from one operation to the next one, eliminating downtimes waiting for an available forklift to pick up processed components, thus saving floor space as well.



## INTRA-LOGISTIC DELIVERY SYSTEM (MILKRUN OR ROUTE TRAINS)

Route trains or Milk run trains, allow you to make your internal pick-up and delivery system more flexible and efficient, by being able to deliver and pick up materials and components simultaneously in the same trip, improving also safety in the plant by reducing forklift transit.

Besides we provide you with the peripheral equipment that allows you improve even more the efficiency of your operation, among others:

- 1) The Trolley Docking Station which helps you fix the trolley during the load-unload for a safer operation.
- 2) The Trolley mover, which allows you to safely and ergonomically move heavy loads above 1,000 Kg.
- 3) The Trolley Store, which provides ergonomic vertical storage for up to 20 trolleys, saving up to 87% floor space, and improving your warehouse safety and order.



**Intra-logistic train (bilateral delivery)**



**Intra-logistic train (unilateral delivery)**



**Trolley Docking Station**



**Trolley Mover**

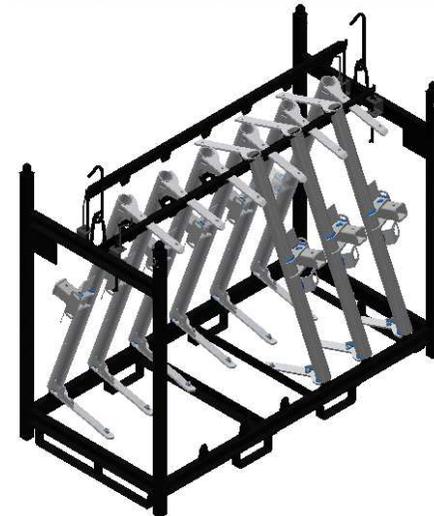
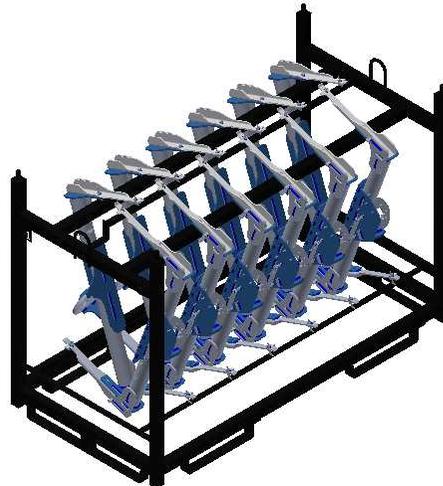
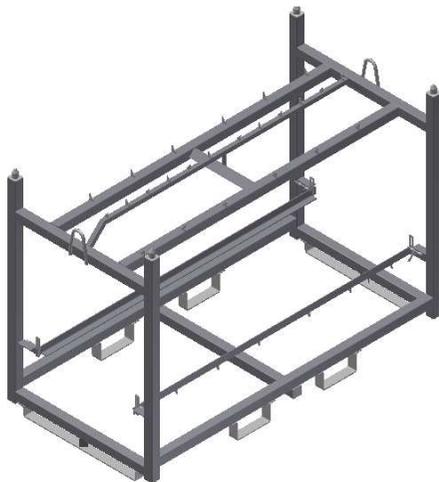
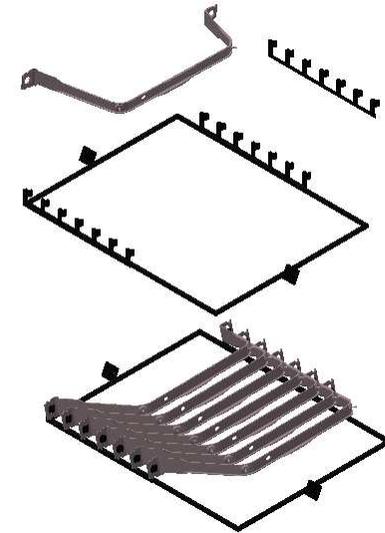
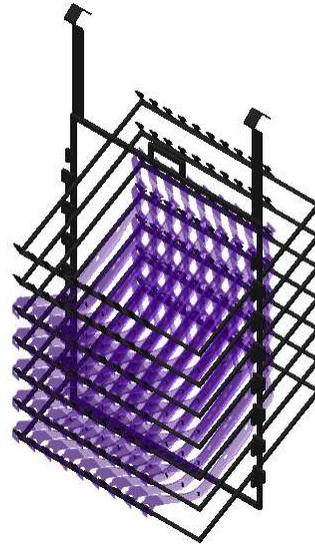
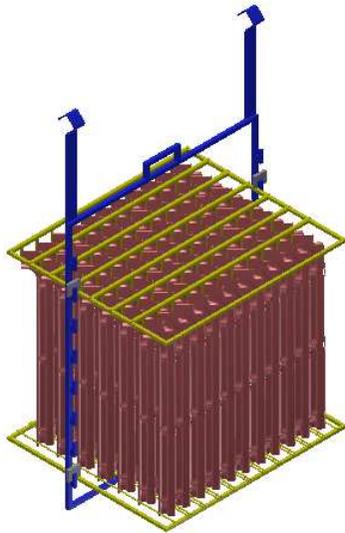


**Trolley Store**

## PAIN T RACKS

Based on the 3D CAD model and/or a physical sample of the part to be painted, we develop the design of the paint rack to handle the product during the painting process, searching for the optimal packaging and the appropriate positioning and fixturing of the part to achieve the best quality .

The manufacturing of the paint rack is performed with the same care and professionalism, using consistent quality processes (laser cut, CNC machining, etc...) as required.



## LIGHT DUTY "LEAN MANUFACTURING" DEVICES

We also carry a hole line of products to design and assemble a wide range of modular devices based on steel tubes with a plastic cover and a large variety of screwable joints, ideal for the fabrication of work tables, inspection tables, racks, carts, dollies, service carts, flow racks, etc..., which can be designed and fabricated by your own people during Kaizen events for example, allowing your personal to exercise their creativity.

If you prefer, we can design any device you need and provide you with the detailed drawing and parts list so you can assemble it internally yourself, or we can also fabricate it for you and deliver it ready to use.

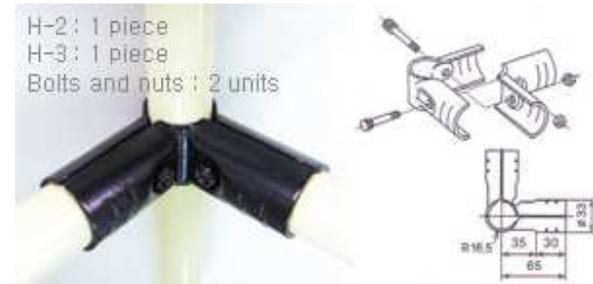


DO IT YOURSELF



RECYCLABLE

FLEXIBLE



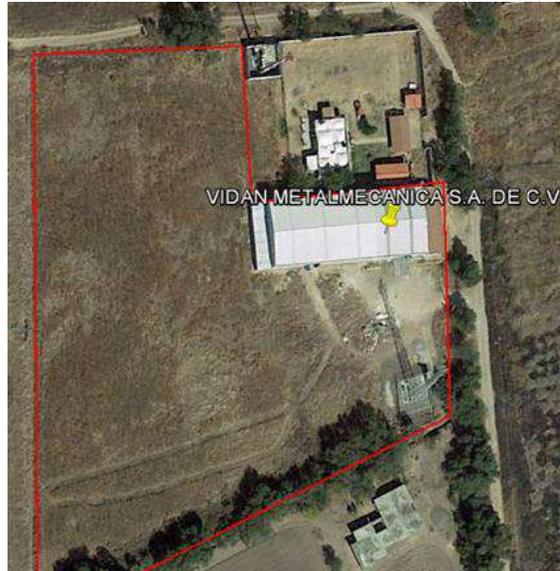
FAST



We are you best alternative for "Lean-Manufacturing" solutions. "With EZ-Build, your imagination is the límit".

## OUR LOCATION AND FACILITIES

We are located in Celaya, Gto., México. We have facilities of our own, adequate to handle large projects. It includes a 1,000m<sup>2</sup> production building, 200m<sup>2</sup> administrative offices, besides we own approximately 13,500m<sup>2</sup> of available land ready for any future expansion.







*We hope you let us be part of your materials storage and handling solutions team in the near future...*

**Thanks a lot!!!**