



# **Metal Furniture** Manufacturing Systems

# Open your business to the new opportunities



## Keep up with **Market & Design Trends**

Metal furniture is being used in an increasing range of environments, with growing demand for premium products in terms of aesthetics, finish and design.

Metal furniture is the ideal solution for **work and social spaces**. Contexts where essential lines, functionality and sustainability are key elements.

## Embrace **Sustainability**

Energy efficiency and waste reduction: metal furniture production is an **eco-sustainable choice** and represents an alternative to plastic use, as well as deforestation and wood consumption.

The use of **pre-painted sheet metals** eliminates painting and washing from the production process: this further reduces the environmental impact and related costs.

## Improve **Quality**

Advanced design systems and production processes – developed to work efficiently, even with pre-finished and precious metal sheets – make it possible to create **products with a modern and essential design**: perfectly in keeping with consumer demand.

## Boost **Profitability**

**Integrated management of the entire workflow**, from raw materials to the finished product, including make-to-order components. Very high level of automation, capable of integrating the loading and unloading activities.

**Predictive diagnostics** to eliminate machine downtime. Reduction of time and resources to be dedicated to painting, welding, washing and assembly. Today, the **profitability** of production lines can be pushed to the maximum.

# Seize all opportunities with the Prima Power Manufacturing Systems



Prima Power has the solution to all your production needs, with **flexible, accurate servo-electric machines**, developed to process pre-finished and pre-painted materials.



Efficient alone, Prima Power machines are unbeatable when combined in a system. The entire production process is reduced to a single stage, with fully automated operating cycles that make it possible to quickly switch from one product to another.

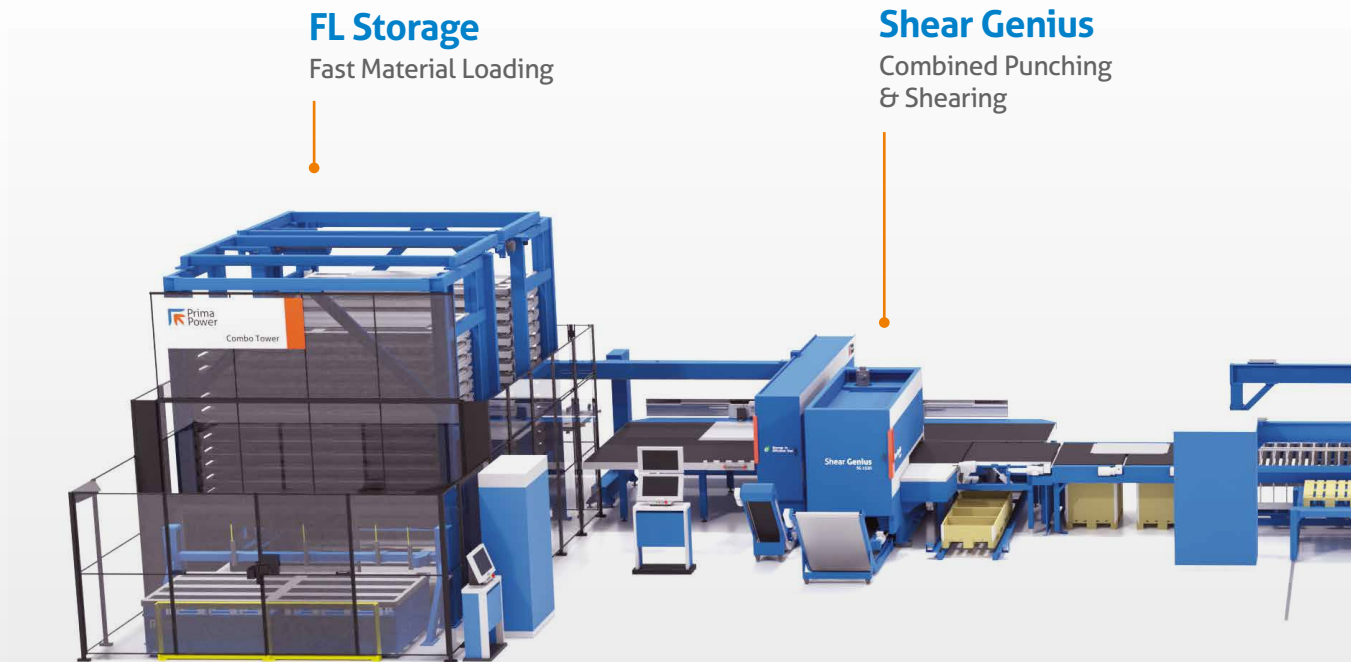


An ideal solution for producing kits in a single manufacturing flow, producing semi-finished goods using a Kanban system and producing customised products on a "make-to-order" basis.



Intelligent machines equipped with **advanced software solutions**: the perfect ally for redesigning processes and products from a "Design for Manufacture and Assembly" perspective. Your lines will produce a complete, high quality product, which is easy to assemble without the need for screws, rivets, welding, painting and washing.

# The ideal factory, the best products



## FL Storage

Fast Material Loading

## Shear Genius

Combined Punching  
& Shearing

Prima Power Integrated Manufacturing Systems allow flexible and fast production reducing the lead time from raw material to components ready for assembly.

## Product range



### LASER GENIUS LGF

Best quality, high accuracy and productivity without compromises on the whole thickness range thanks to the best integration of all machine components.



### SHEAR GENIUS SG

An Integrated punching and shearing without nibble marks for a better part quality, no skeletons and less punching scraps for savings in raw material.



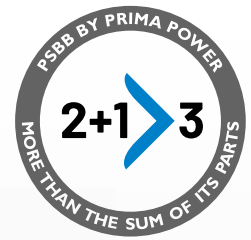
### PUNCH GENIUS PG

A compact machine with a small footprint, offering productivity, operation convenience and compatibility with a number of automation solutions.



### COMBI GENIUS CG

An integrated punching and laser cutting work centre for versatile manufacturing. It is supplied with an integrated high brilliance fiber laser enabling manufacturing faster, more economically and with a wider range of materials.



### PSR

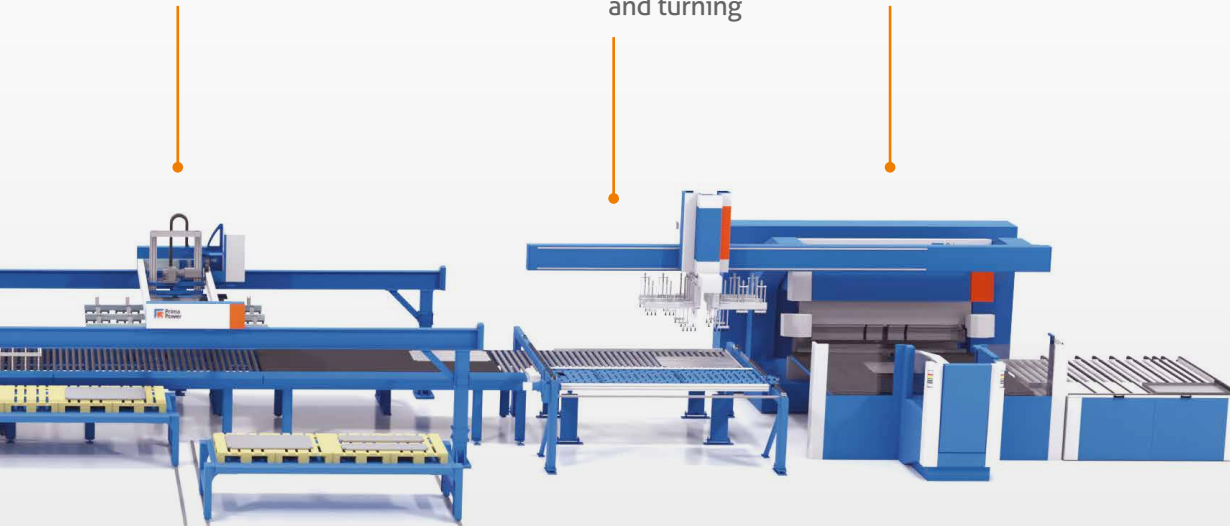
Picking & Stacking Robot

### PCD/BTD

Part handling and turning

### Express Bender

Automatic Bending



Material flow can be flexibly arranged to transfer parts directly to automatic bending, to balance the different time requirements of bending and punching/shearing, to exit material from the system and to bring new material into it. The flexible and versatile buffering function ensures that optimum operation in terms of manufacturing cost and throughput time can always be chosen, whatever the manufacturing task.



#### FAST BEND FBc

A compact semi automatic machine easy to use that optimizes the productive performance allowing more bends per side in an automatic sequence.



#### BCe & BCe SMART 2220

These semi automatic bending cells offer a compact solution with an intermediate level of automation as well as a reasonable investment for customers.



#### EXPRESS BENDER EBe

This servo-electric panel bender is based on a system that allows a high level of customisation to provide maximum productivity for the customer. The EBe bending operation cycle is fully automated: from the loading of flat parts to the unloading of bent components.



#### eP-PRESS

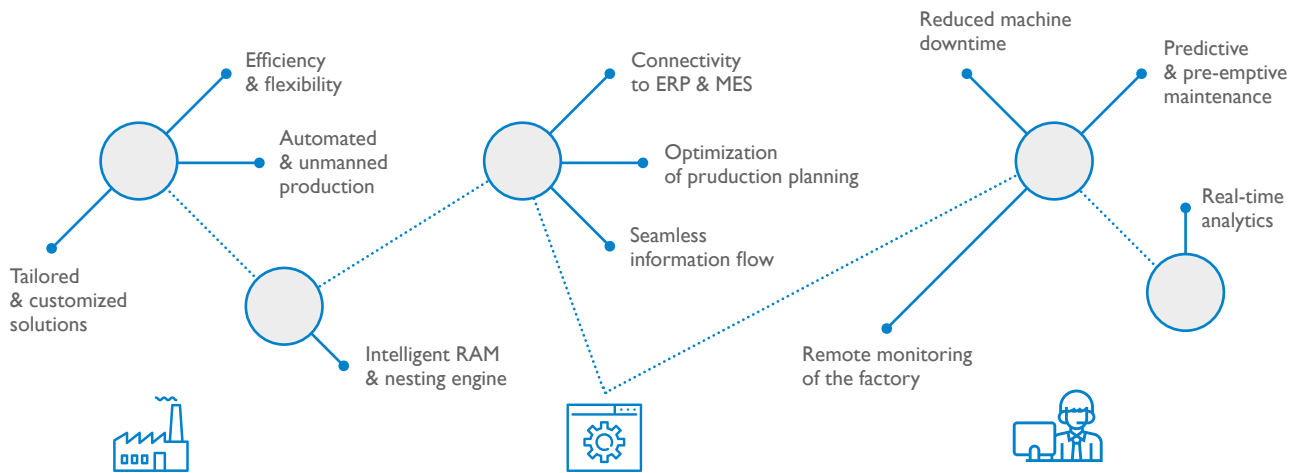
Fast and accurate servo electric press brake, suitable for a wide range of different products; programmable working speed to ensure bending is made without loss of product quality or operator safety.

# Smart machines, smart software

Thanks to a smart combination of machines and software, you can produce a greater complexity of parts that can be easily assembled without screwing or riveting.

The Prima Power software suite is a true ecosystem that provides the ideal solution to assist the customer in all phases of production, from offline programming to production data collection and reporting.

Prima Power software is developed for any customer use, including off-line, on-board, and on mobile devices.



## Smart Machines

Real-time and historical parameter data collected through sensors and cameras.

## Smart Software

Seamless production information flow, connectivity to ERP and MES through storing machine-generated data in the cloud.

## Smart Remote Care

Machine data-driven analytics and predictive maintenance services.



# The servo-electric technology improves production

All Prima Power machines are equipped with servo-electric technology: faster, more precise and greener. The advantages of the servo-electric technology, compared to the hydraulic one, are:



Great precision and repeatability



Excellent reliability and less maintenance costs



Better geometric and aesthetic quality of bent components



60% energy saving



70% savings on maintenance costs



-30% of production time

# Prima Power All in one. The only one.

Prima Power offers a comprehensive range of products and services for sheet metal working and laser cutting. A true **all in one** partner.

**The only one** to develop all the essential components of its products: numerical control, automation, laser head, and even our own fiber laser source.

## THE PUNCH

State-of-the art, versatile solutions for servo-electric punching.

## THE LASER

Laser machines and systems for 2D and 3D cutting, welding and drilling.

## THE SHEAR

Integrated systems for punching & shearing: highly productive with optimal sheet utilization.

## THE COMBI

Punching & laser cutting cell with servo-electric punching technology.

## THE PRESS

Fast, accurate and efficient servo-electric and servo-hydraulic press brakes.

## THE BEND

Wide range of solutions for bending, including panel benders and bending centers.

## THE SYSTEM

Full and modular range of solutions for the management of the whole working process.

## THE SOFTWARE

Prima Power software solutions to maximize throughput.

## A Global Footprint

Prima Power is present in 5 continents, with branches or subsidiaries in 28 countries worldwide. The sales and service network supports our customers wherever they are with distributors and agents in over 80 countries.

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