



# **Steel Doors and Frames**

## Manufacturing Systems

# THIS IS THE

# PUSH MOMENT

Take now the decision  
that will push your business further



## METAL DOOR MANUFACTURING INDUSTRY TRENDS

Exponential growth of the worldwide population will boost demand for residential and commercial buildings  
Safety, fire and multi-purpose steel doors will play a primary role



## MEETING THE MARKET DEMANDS

Modern design by using new metals and surface treatments to get high aesthetic standards  
Safety and sustainability outclassing the traditional wooden doors with different materials  
Energy efficiency changing the productive processes by eliminating welding, riveting and painting

Move On  
to a New Way of Production



## STAND-ALONE MACHINES

Choose from a wide range of manufacturing solutions for medium volumes and standard products



## INTEGRATED SYSTEMS

Reduce the lead time from raw material to ready component with a flexible and fast production approach for big volumes and customized products



## AND MORE AUTOMATION

with cut-to-length line for raw material, robotized palletizing for ready-bent-parts and storages



## INDUSTRY 4.0 INSIDE

Get your production automated from order to delivery with automation modules and smart software solutions

# Metal doors made with stand-alone machines

Prima Power stand-alone machines allows the production of steel door panels and frames with sophisticated design for executing standard or parametric dimensions

PUNCHING & SHEARING



## 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. APPLICATIONS / parametric door panels.



## PUNCH GENIUS PG

A compact machine with a small footprint, offering productivity, operation convenience and compatibility with a number of automation solutions. APPLICATIONS / punching of standard panel doors'. Allows creating holes for insertion of handles, locks or hinges.



## 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. APPLICATIONS / door frames with parametric programming. Allows marking a door with own brand and creating punched holes for hinges.



## Fast Bend FBe

A compact semi automatic machine easy to use that optimizes the productive performance allowing more bends per side in an automatic sequence. APPLICATIONS / parametric narrow frames for a customized door production.



## 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. APPLICATIONS / ideal for standard door panels and medium / large frame.



## 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. APPLICATIONS / ideal for standard door panels and medium and large frame.



## 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. APPLICATIONS / standard door frames.

BENDING

# Integrated Manufacturing Systems for automated door production

FM Systems for single piece flow and largest profile variability

**FL Storage**  
Fast Material Loading

**Shear Genius**  
Combined Punching & Shearing

**PCD/BTD**  
Part handling and turning

**Express Bender**  
Automatic Bending

ESB BY PRIMA POWER  
2+1 > 3  
MORE THAN THE SUM OF ITS PARTS

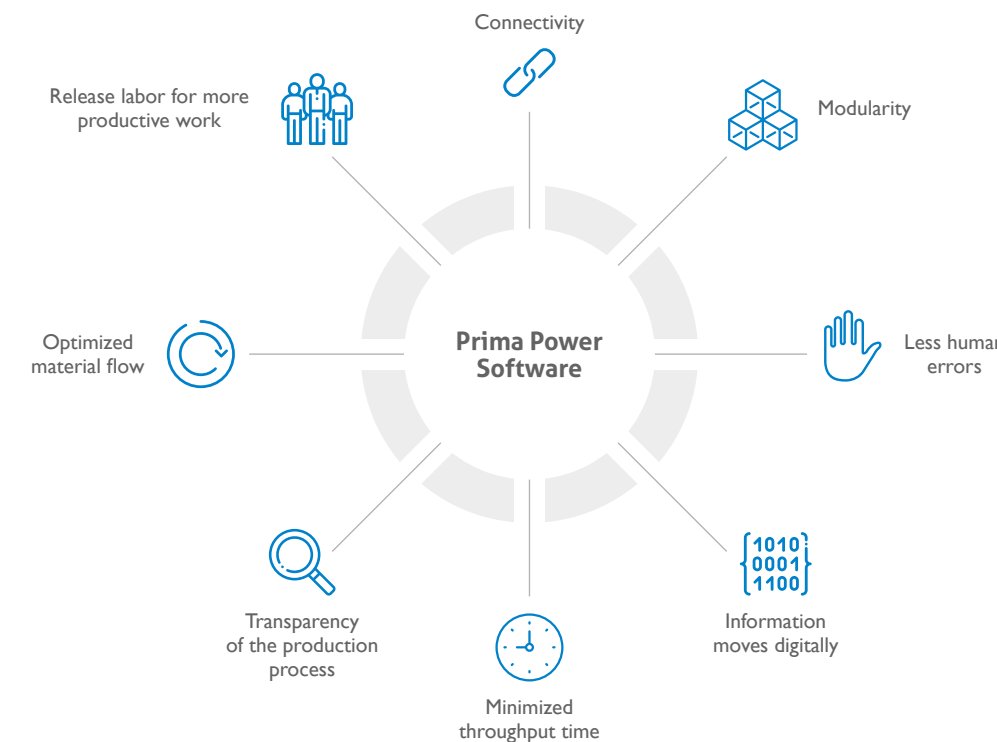
**A Unique System for a Complete Door Set**

Door panels  
Door frames

Material flow can be flexibly arranged to transfer doors' parts directly to automatic bending, 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 at hand.

## Smart machines, smart software

Thanks to a smart combination of machines and software, you can produce a greater complexity of the parts that can be easily assembled without screwing or riveting. What's more, the parametric programming allows bending or punching parts with same profile/shape but in different sizes with the benefit of a customized production.



# From design to the market

Modern production thanks to an intelligent design (FMI) using all the technology functions integrated in our machines, like tapping, marking, drilling and so on.



# The servo-electric technology improves production

All Prima Power panel 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
- 60% energy saving
- Excellent reliability and less maintenance costs
- 70% savings on maintenance costs
- Better geometric and aesthetic quality of bent components
- 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.

PRODUCT RANGE

## 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.

