



green
means®

Green Means® by Prima Power

The Prima Power range has a long tradition of continuous development, greater flexibility and operating economy through versatility, high automation level and low energy and maintenance cost. Also for a long time, the ecological aspects have been included among design criteria.

Under the banner Green Means® this translates into technology and knowhow which meet the requirements of both productivity and more sustainable manufacturing.

This small leaflet presents just some of the many solutions which help Prima Power customers combine productivity with sustainability.



Cases

- 1 **Shear Genius® SGe – servo electric punching and integrated right angle shearing**
- 2 **PLATINO® – fiber laser cutting**
- 3 **E6x turret punch press**
- 4 **RAPIDO® e – fiber laser cutting**
- 5 **eP press brake**
- 6 **The software**
- 7 **FastBend – semi automatic bending technology**
- 8 **LPe6 f – servo electric punching and laser cutting**

Welcome to study what Green really Means.

Green means a win-win for you and sustainable development

Sustainability adds to manufacturing efficiency and productivity.

Your customers, your employees and the community you operate in demand it more and more.

Sustainability and social responsibility are characteristics of a modern company and add to competitiveness.

They make a difference between the best and the rest.

And you make better sheet metal components at lower cost.





Green Means® Case 1

Shear Genius® SGe – servo electric punching and integrated right angle shearing

The profit

- Energy savings – consumption 5kWh per hour
- Material savings up to 10–15% per sheet – no skeletons, less punching scrap, and minimized dead zones
- Productivity 30% up compared with stand alone machines
- High tooling capacity – fast setup and less waiting time
- Inherently low maintenance cost
- Space saving – automatic loading, punching, forming, bending, marking, shearing and part sorting on one machine
- Easy and fast operating interface – fast setup and less waiting time

The footprint

- Less energy – less waste of material – less CO₂
- No hydraulic oil – no hazardous waste
- Compact and automated – less factory logistics
- One cell instead of separate machines is ecological
- High efficiency – more output during machine run
- High material saving % – less burden on the environment



Green Means® case 2

PLATINO® – fiber laser cutting

The profit

- Major energy savings
- No laser gases
- Inherently low maintenance cost
- Compatible with programs made for other PRIMA 2D laser machines
- Easy and fast operating interface – fast setup and less waiting time

The footprint

- Less energy – less waste of material – no laser gases – less CO₂
- Higher laser wall-plug efficiency – less cooling capacity required – less heat generation – less CO₂
- Synthetic granite frame – less CO₂ compared with conventional welded structure
- Compact and automated – less factory space and logistics
- High efficiency – more output during machine run



Green Means® case 3

E6x turret punch press

The profit

- Energy savings – consumption 4kWh per hour
- High tooling capacity – fast setup and less waiting time
- Easy loading – fast operations, less waiting
- Accurate and programmable punching – more additional work stages
- Inherently low maintenance cost
- Easy and fast operating interface – fast setup and less waiting time
- Easy integration of automation – higher output and operating ratio

The footprint

- Less energy – less CO₂
- No hydraulic oil – no hazardous waste
- Lower heat and noise emissions – better for the operator and for the environment
- Possibilities for scrap sorting – recycling made easy
- Compact layout with automation – smaller space requirement



Green Means® case 4

RAPIDO® e – fiber laser cutting

The Profit

- Energy saving – 2kWh per hour
- No laser gases
- Productivity more than 30% up compared with CO₂ laser source
- Inherently low maintenance cost
- Graphic interface for easy part-program optimization – no need for G-Code modifications, all editing graphically performed
- High dynamics and new advanced algorithms for trajectory control – productivity increased by 10–15% compared with previous generation
- Easy and fast operating interface – fast setup and less waiting time

The footprint

- Less energy – less waste of material – no laser gases – less CO₂
- Higher laser wall-plug efficiency – less cooling capacity required – less heat generation – less CO₂
- Synthetic granite frame – less CO₂ compared with conventional welded structure
- High efficiency – more output during machine run

Green Means® case 5

eP press brake

The Profit

- 50% lower energy consumption than hydraulic press brakes on average
- 30% shorter cycle times on average
- Fast setup and less waiting time
- No hydraulics – high reliability
- High repeating accuracy
- Inherently low maintenance cost
- Easy and fast operating interface – fast setup and less waiting time

The Footprint

- Less energy – less waste of material – less CO₂
- No hydraulic oil – no hazardous waste
- Easy programming and high accuracy – fewer waste parts
- Higher productivity – less machinery for the same production



Green Means® case 6



The software

The profit

- Automated and efficient programming – less manual work
- Shorter setup and preparations – fewer interventions and more production
- Efficient nesting – material savings
- Reporting tools – higher productivity by process development

The footprint

- Automated and efficient programming – material savings
- Intelligent tooling for parts – reduced setup and process time
- Optimized working sequences in punch, shear and laser – energy savings
- Optimized hydraulic and laser unit working – energy savings

Green Means® case 7

FastBend – semi automatic bending technology

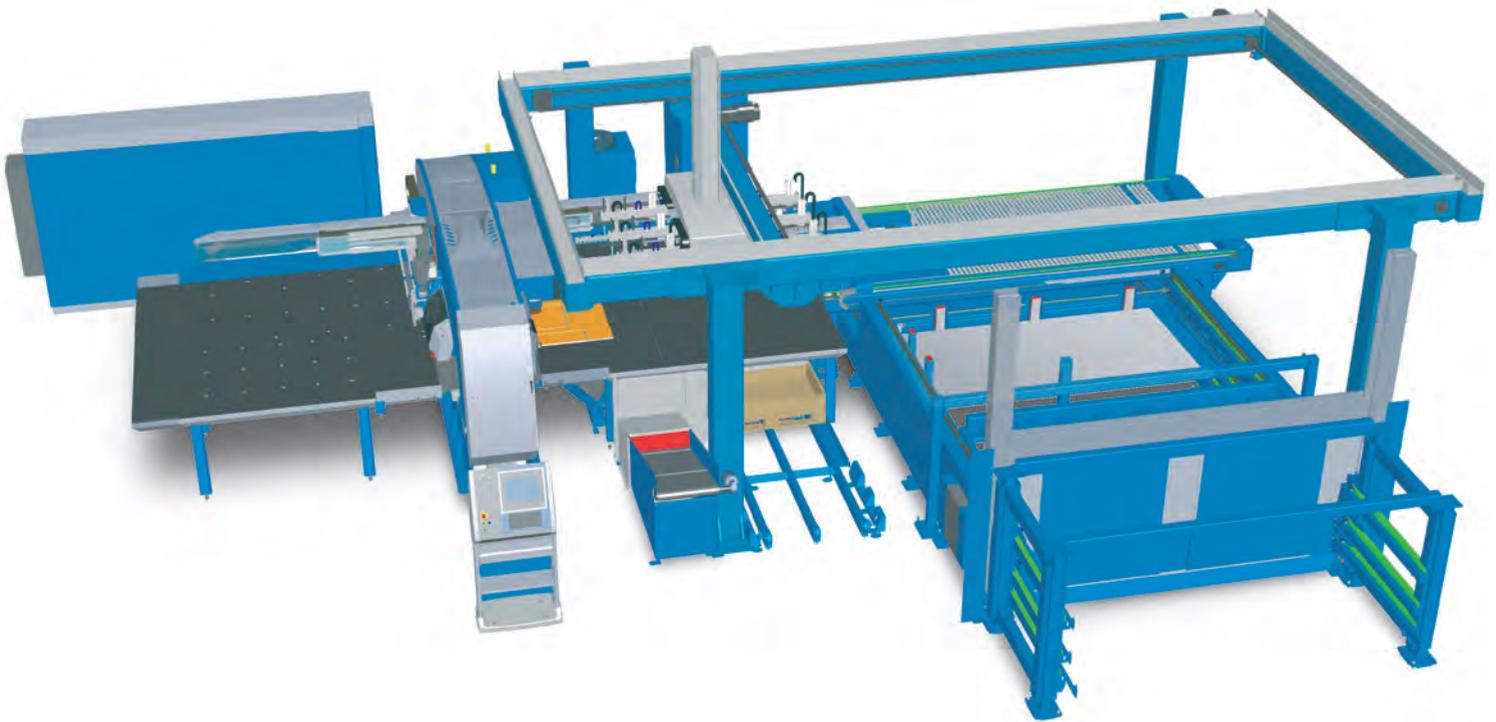
The profit

- 64% energy savings compared with hydraulic traditional panel bender; average consumption 7kWh per hour
- High component quality – maximum production efficiency
- A gradual and progressive change from manual to automatic bending operation
- More bending capabilities and flexibility – bending of complicated multiple profiles with 15 % higher productivity compared with hydraulic technology
- Improvement in safety and working conditions
- Easy to use – no special skills needed
- Easy and fast operating interface – fast setup and less waiting time
- No tool marks on the part
- Inherently low maintenance cost

The footprint

- Less energy – less waste of material – less CO₂ (-64%)
- No hydraulic oil – no hazardous waste
- Compact and automated – less factory space and logistics
- Lower noise level – 68 dB(A)
- Energy savings – 64%
- Maintenance savings – 65%
- Less vibration – 66%





Green Means® case 8

LPe6 f - Servo electric punching and laser cutting

The profit

- Energy savings – consumption 1 kWh per hour
- No stand-by laser energy consumption during punching
- No laser gases
- High tooling capacity – fast setup and less waiting time
- Inherently low maintenance cost
- Space saving – punching, forming, bending, marking, laser cutting and part sorting on one machine
- Easy and fast operating interface – fast setup and less waiting time

The footprint

- Less energy – less waste of material – no laser gases – less CO₂
- Higher laser wall-plug efficiency – less cooling capacity required – less heat generation – less CO₂
- No hydraulic oil – no hazardous waste
- Compact and automated – less factory logistics
- One cell instead of separate machines is ecological
- High efficiency – more output during machine run
- Fiber beam delivery allows a compact laser cutting system – less steel – less CO₂

Prima Power in Brief

Prima Power is the Machinery Division of the Prima Industrie Group, born from the merging of two leading specialists in laser and sheet metal working technology, **Prima Industrie** and **Finn-Power**.

Prima Industrie is listed on the Milan Exchange (Star segment) and has two divisions, Prima Power and Prima Electro, specializing in power and control electronics and high-power laser sources.

Prima Power is among the top four global specialists in sheet metal working technology, with a comprehensive product range in laser systems and sources, punching, shearing, bending and automation for sheet metal industry. It is market leader in 3D laser systems for automotive, aerospace and energy markets. Today's performance is backed by over 30 years of experience in the sector and well over 10,000 machines and systems installed in 60 countries. Manufacturing facilities are located in Italy, Finland, the US and China. Products and services are available through a worldwide sales and service network consisting of Group units and distributors.