



# EVOLVE BY INTEGRATION

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DYNAMIC SOLUTIONS TO LEVEL UP  
YOUR PRODUCTION PROCESS



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# EVOLVE BY INTEGRATION

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Today, every manufacturer in **sheet metal industry** has to step up their business. Competition is rising, customers have more demands, the market has fewer resources: companies have to optimize processes, automate production, save energy and money.

**They have to evolve** – and evolution is what we have always offered at Prima Power. We do it through the widest range of machines in the industry.

But mostly, we do it with **our unique ability to integrate our technologies into customers' processes** to enhance production performances.

It's about our engineering knowledge and our **customer-centered approach**. It's about our very history of technological integration.

**Our brand promise means all that.** To level up productivity through targeted dynamic solutions. To support growth through modular and scalable offers. **To evolve by integration.**

# DYNAMIC SOLUTIONS TO LEVEL UP YOUR PRODUCTION PROCESS

Prima Power provides businesses of all sizes with targeted dynamic technologies that **enhance profitability** in **sheet metal working**.

We create **integrated automated solutions** designed to meet our clients' challenges and open to their future growth.

We offer **high-performance machines** that deliver flexible and precise execution.

At Prima Power, value lies in the **focus on customers**.

We build our offer on a full range of modular solutions, using our distinctive customer-centered approach and long-standing knowledge in engineering systems and machinery for sustainable, efficient manufacturing – all based on a **unique history of technological integration**.

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## GREEN MEANS®: AN INTEGRATED AND PRAGMATIC COMMITMENT

In Prima Power we embrace an integrated and pragmatic approach to sustainability.

We deliver solutions designed to optimize production cycles by **focusing on process efficiency**, with the aim of saving materials and energy without affecting the quality of the final output. Our technologies simultaneously

guarantee both a **saving of resources** and **economic savings for manufacturers**.

This means prioritizing effective and feasible solutions, like servo-electric technology we have been pioneering since 1998.

We have summarized our concept of sustainability in two words: **Green means®**.



# OUR VALUES

## PROGRESS



**Progress is the ultimate value we bring.**

Our solutions accelerate development and promote sustainable manufacturing. Our technologies upgrade production dynamics – they make processes evolve.

## DYNAMISM



**Today's manufacturing calls for dynamism.**

In our labs and plants, we design and produce industrial technologies that combine high productivity rates and flexible use. Speed is our way.

## KNOWLEDGE



**Our commitment is built on knowledge.**

Our team stands out for the unique integration of engineering mindset, systemic vision, and creative approach. We are in a constant quest for advancement.

## CONSISTENCY



**Great technology provides consistent value over time.**

Day and night, our systems and in-house solutions transform designs into parts at the pace of constant precision.

## FOCUS



**Relationships with customers are a matter of focus.**

Together, we set up effective solutions targeted at their business challenges. Then, we keep providing attentive and responsive support.



# PRIMA POWER'S GLOBAL PRESENCE

## EMPOWERING MARKETS THROUGH STRATEGIC CONNECTIONS

Prima Power's global presence embodies its **dynamic approach and unwavering focus on customers**. With a widespread industrial and sales and service footprint, the company strategically positions itself where it's needed most.

A connection rooted in decades of knowledge and expertise enables Prima Power to truly **understand and support the unique needs of each market and industry**.

**~400** SERVICE ENGINEERS

**15,000+** INSTALLED MACHINES

**5** PRODUCTION PLANTS AND R&D CENTERS

### SEMEA

- 1 HEADQUARTERS
- 2 PLANTS AND R&D CENTERS
- 2 TECH CENTERS

PLANT, R&D AND TECH CENTER

### NORTH EUROPE

- 1 PLANT AND R&D CENTER
- 2 TECH CENTERS

### AMERICAS

- 1 PLANT AND R&D CENTER
- 2 TECH CENTERS

### APAC

- 1 PLANT AND R&D CENTER
- 1 TECH CENTER

# LIFE-CYCLE SUPPORT

CUSTOMER-FOCUSED APPROACH THAT TARGETS YOUR PRODUCTIVITY CHALLENGES



## ANALYZE & ADVISE

- PROCESS ANALYSIS
- FEASIBILITY AND CYCLE TIME STUDY
- PRODUCTION FLOW SIMULATION
- FACTORY AND ERP INTEGRATION ANALYSIS
- MODULAR SOLUTION SELECTION

## SET-UP & TRAIN

- FULL INSTALLATION SUPPORT
- PRODUCTION START-UP
- TRAINING
- PROCESS OPTIMIZATION
- PRODUCTION RAMP-UP



## EVOLVE & INTEGRATE

- SOLUTION UPGRADE AND SCALE-UP
- SOFTWARE UPGRADE
- REFURBISHMENT
- PRIMA POWER ACADEMY
- RELOCATION

## ASSIST & MAINTAIN

- PREVENTIVE MAINTENANCE
- SERVICE AGREEMENTS
- IN-FIELD, PHONE & REMOTE SUPPORT
- SPARE PARTS & TOOLS
- SPECIALIZED TECH SUPPORT

# PRIMA INDUSTRIE GROUP

PROGRESS IN MANUFACTURING AUTOMATION



Prima Industrie is the **industrial innovation group** bringing progress in manufacturing automation since 1977.

The Group operates in **sheet metal working technologies** through the **Prima Power** brand.

A global player providing solutions to businesses of all industries, Prima Power offers a complete range of machinery and integrated solutions, from laser processing to punching and bending,

to flexible manufacturing systems.

Prima Industrie also advances **metal additive manufacturing technologies** through **Prima Additive** and develops the sector of **embedded electronics** with **Prima Electro**.

With 7 plants and 1,900 people, Prima Industrie supports and bolsters the everyday work of local companies and large organizations all over the world, with annual revenues of over 500 million euros.

**1,900**  
PEOPLE

**500+**  
MIO € REVENUES

**7**  
PLANTS AND  
R&D CENTERS

**15K+**  
INSTALLATIONS



SPECIALIZED COMPANIES





# A UNIQUE HISTORY OF EVOLUTION AND INTEGRATION

TRACING OUR JOURNEY IN FOUR KEY PHASES

Disposal of laser source manufacturing business unit

Acquisition by Alpha Private Equity and Peninsula through **delisting 2023**

**EVOLUTION CONTINUES**

**2023 – Today**

4

Minneapolis plant (USA)  
Seinäjoki plant (FIN)  
Suzhou plant (CN)  
Collegno Headquarters and plant (IT)

**STRATEGIC FACILITY EXPANSION**

**GROUP INTERNATIONAL CONSOLIDATION**

**2016 – 2022**

3



Prima Industrie + Finn-Power **2011**  
**PRIMA POWER BRAND IS BORN**

Finn-Power (sheet metal working solutions)  
Laserdyne (laser drilling systems for aerospace)  
Convergent (laser sources)

**GROWTH POWERED BY INTEGRATION**

Prima Industrie listed on the  
**Italian Stock Exchange 1999**



**EXTERNAL GROWTH WITH THE BIG CHANGE: PRIMA POWER**

**1999 – 2015**

2

Servo-electric technology **1998**  
Night Train storage **1994**  
Integrated right-angle shear **1992**  
2D laser machine **1992**  
Panel bender **1991**  
Flexible Manufacturing System **1990**  
Press brake **1988**  
Turret punch press **1983**  
3D laser machine **1979**

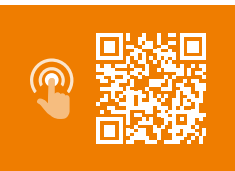
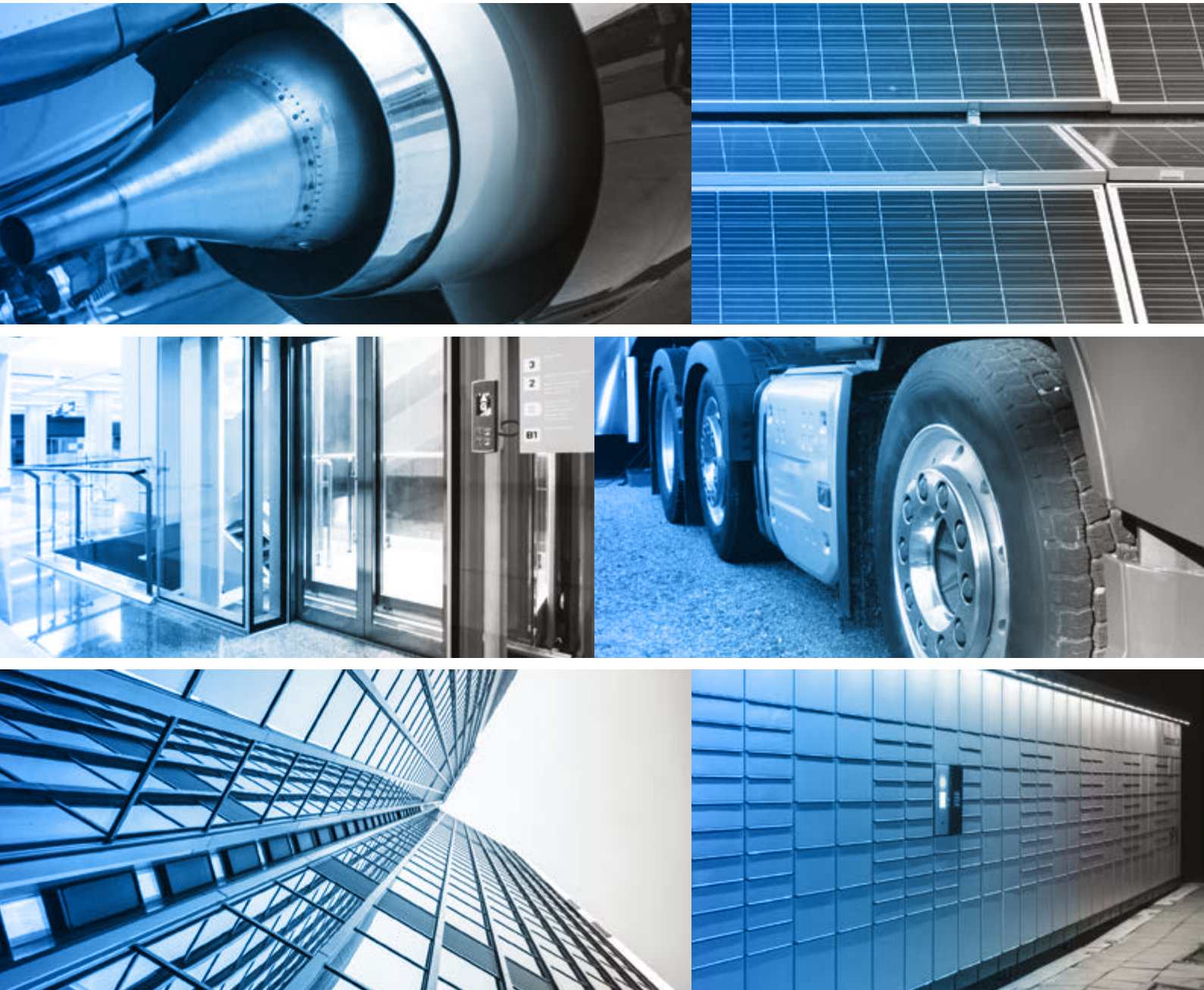
**PIONEERING TECHNOLOGIES**

Prima Industrie established **1977**   
Finn-Power established **1969** 

**BIRTH OF THE HERITAGE BRANDS AND FOCUS ON LASER AND SHEET METAL**

**1969 – 1998**

1

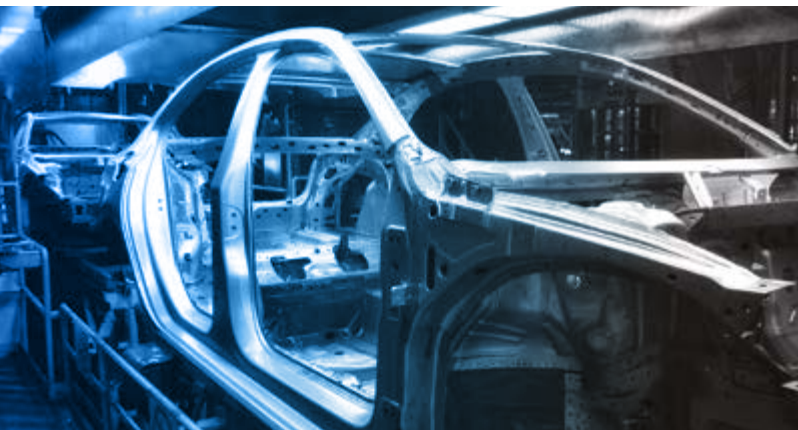


# DRIVING INDUSTRIAL PROGRESS

SERVING HIGH-TECH SECTORS WITH SPECIALIZED KNOWLEDGE

Leveraging its **diversified expertise**, Prima Power offers solutions that cater to a wide array of industries. Our range's breadth and modularity, combined with our cross-industry knowledge, allow us to provide **targeted and specialized solutions**

aligned with the distinctive demands of each sector. With a focus on customers' needs, we **facilitate the growth and progress of evolving industries**, aiming to boost customer profitability through advanced and reliable production systems.



AEROSPACE

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FOOD SERVICE EQUIPMENT

AUTOMOTIVE

---

HEALTHCARE & MEDICAL

BUILDING & HOUSING EQUIPMENT

---

HVAC

ELECTRIC CABINETS

---

MECHANICS & MACHINERY

ELEVATORS & ESCALATORS

---

STEEL FURNITURE, PANELS & WAREHOUSING

ENERGY

YELLOW GOODS & TRUCKS

# PRIMA POWER SOLUTIONS

## MODULAR AND HIGH-PERFORMING TECHNOLOGIES THAT SUPPORT YOUR FUTURE GROWTH

Built on deep knowledge across diverse technologies, our **extensive product range** emphasizes **flexibility and seamless integration**, incorporating automation and software to ensure exceptional performance. Our consistency in delivering **profitable cutting-edge solutions** is fueled by our drive for innovation.

This dynamic approach allows us to meet the evolving needs of industries, propelling **sustainable progress** in the manufacturing landscape.

- 
- 1 Unique expertise in **technological integration** with native solutions for unmanned production.
  - 2 **Customer-focused approach** and design that target your productivity challenges.
  - 3 Full system of **high-speed flexible solutions** combining precision, versatility, and efficiency.



## LASER PROCESSING

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3D LASER /16

SPECIALIZED PROCESSING-LASERDYNE® /17

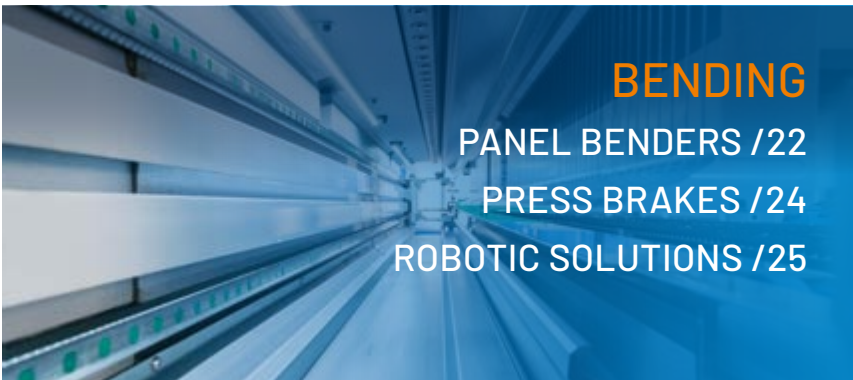


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## SOFTWARE

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# 2D LASER

LEVEL UP YOUR PRODUCTIVITY WITH THE SPEED OF OUR MODULAR SOLUTIONS

- 1 Best-in-class **performance** with **up to 20%<sup>(1)</sup> faster cycle times**, thanks to 28 m/s<sup>2</sup> acceleration and 180 m/min trajectory speed.
- 2 Optimal **cost-effectiveness** with **gas savings up to 40%<sup>(2)</sup>** and a remarkable **96%<sup>(3)</sup> sheet utilization**.
- 3 Seamless **integration** with **modular and scalable automation** solutions, from stand-alone setups to fully automated production cells, integrable at any time.



2D LASER

(1) Calculated on typical laser cut parts with material thickness 1-6 mm. (2) Using our ECO-TOUCH Cut vs standard market solutions. (3) With our automatic nesting; average scrap on 20 nestings.

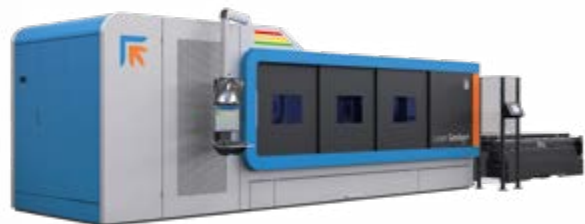
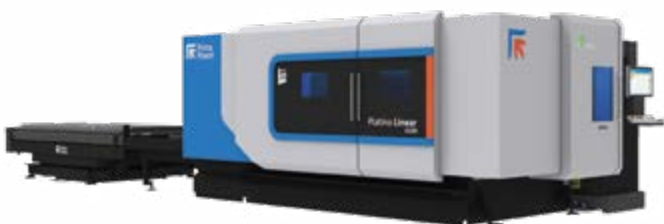
## 2D LASER MACHINES

### Platino Linear®

Efficient, and easy-to-use laser cutting machine: the ideal affordable solution for the processing of any material and shape with high cutting quality and great reliability. Maintenance-free linear drive increases machine uptime and reduces operating costs.

### Laser Genius®+

Highly productive 2D laser cutting solution with best-in-class dynamics (max. acceleration: 28 m/s<sup>2</sup> and trajectory speed: 180 m/min) and high cutting quality. Available in three sizes (1530, 2040 and 2060) and with reversible layout to suit any production environments and requirements.

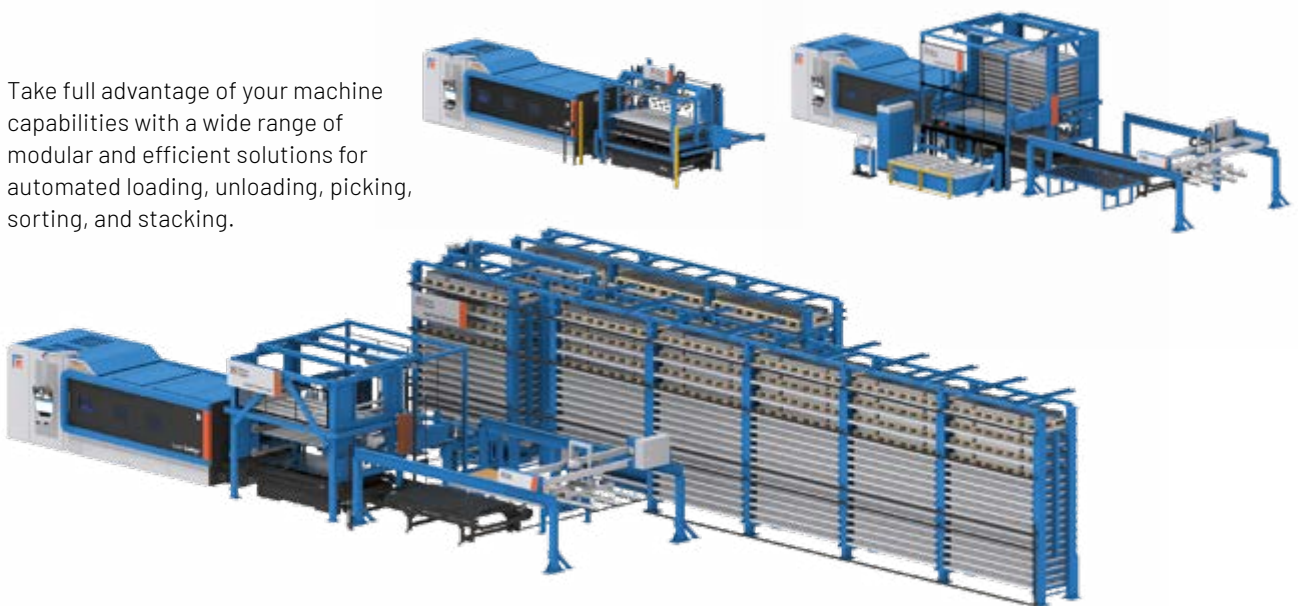




*Thanks to Prima Power laser technologies, we are able to guarantee flexibility, speed and traceability in the cutting phase, while also responding to any emergencies our customers may have.*

**Sergio Resteghini**  
*Owner (Resteghini, Italy)*

Take full advantage of your machine capabilities with a wide range of modular and efficient solutions for automated loading, unloading, picking, sorting, and stacking.



# 3D LASER

LEVEL UP YOUR PRODUCTIVITY WITH THE EFFECTIVENESS OF OUR EXPERTISE

- 1 Highest **cutting performance** and **cost-effectiveness** with **+20%<sup>(1)</sup> axis dynamics** than market (trajectory acceleration up to 2.1 g and speed up to 208 m/min).
- 2 The **largest working envelope**, **+10%<sup>(2)</sup>**, with the **smallest footprint**, **up to -17%<sup>(3)</sup>**, in the category.
- 3 **One-click programming** functionality for reduced changeovers and setup times.



3D LASER

(1) Laser Next 1530/2130 max simultaneous axis speed is 208 m/min. Market reference: 173 m/min. (2) Laser Next 2141 working volume is 8.9 m<sup>3</sup>. Market reference: 8 m<sup>3</sup>. (3) Laser Next 2141 layout footprint is 35 m<sup>2</sup>. Market reference: 42 m<sup>2</sup>.

## 3D LASER MACHINES

### Rapido<sup>®</sup>

Quality, productivity, and efficiency make Rapido the best solution for mid-range job shops applications, enhanced by Prima Power's long-lasting experience.

### Laser Next<sup>®</sup> 1530 - 2130

First-class performance 3D laser machines designed, developed, manufactured and tested for the mass production of automotive components.

### Laser Next<sup>®</sup> 2141

Multi-purpose machine designed for large-part processing and job shop productions with maximum application flexibility (3D cutting, 2D cutting and welding). The machine can meet your specific manufacturing needs, thanks to multiple machine configurations.

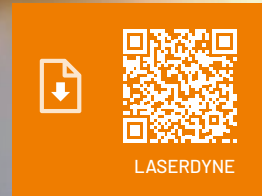




# SPECIALIZED PROCESSING LASERDYNE®

LEVEL UP YOUR PRECISION WITH OUR  
HIGHLY SPECIALIZED SOLUTIONS

- 1 Unmatched precision with **an accuracy of +/- 0.012mm<sup>(1)</sup>**, combined with repeatability for high-value components.
- 2 Highly specialized and flexible solutions, offering **over one million machine configurations<sup>(2)</sup>**.
- 3 Setting standards in laser **drilling** and **welding** with **more than 50 certified applications<sup>(3)</sup>** particularly in highly demanding industries such as **aerospace, space economy and energy**.



(1) Equal to +/- 0.0005 inch. Precision tested to ISO 230-2. (2) Calculated with the number of options available.  
(3) Related to production engine programs in the mentioned industries.

## LASERDYNE MACHINES

### LASERDYNE® 811

A 3D laser processing system that provides precision, speed and the efficiency needed to cost-effectively weld, drill and cut a wide variety of components. Various automation solutions can be easily integrated with the machine.



### LASERDYNE® 795

High-performance 3D laser processing system for precision drilling, welding and cutting of medium to large 3D parts with an advanced moving beam motion system that ensures the highest levels of accuracy and repeatability. Configurable to your requirements.



*No other system provided the level of control and precision needed to consistently deliver the quality specified by our customer.*

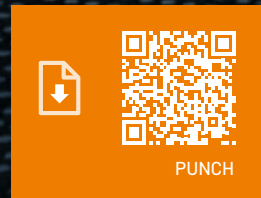
*Many of our large parts require accuracy of +/- 0.005 inch and sometimes tighter tolerances and the new LASERDYNE® 795 easily processes the parts within those tolerances.*

**Mark Miller**  
Marketing Director  
(Precision Aerospace, United States)

# PUNCHING

LEVEL UP YOUR PROFITABILITY WITH THE VERSATILITY AND EFFICIENCY OF OUR SOLUTIONS

- 1 Best-in-class **efficiency**<sup>(1)</sup> thanks to the combination of punching force **up to 300 kN**, speed **up to 1000 hpm** and **75% energy consumption saving**<sup>(2)</sup>.
- 2 Versatile and repeatable **high-quality forming capabilities**, with linear-increase forming capabilities **from 0 to 16 mm height**.
- 3 Seamless **integration** with **modular and scalable automation solutions**, from stand-alone setups to fully automated production cells, integrable at any time.



(1)Punch Genius Dynamic is the only machine in the market combining these three technical performances. (2)Compared to hydraulic technology, based on internal data analysis.

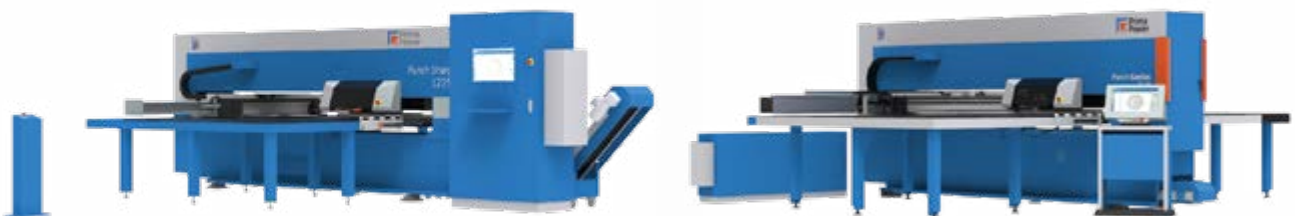
## PUNCHING MACHINES

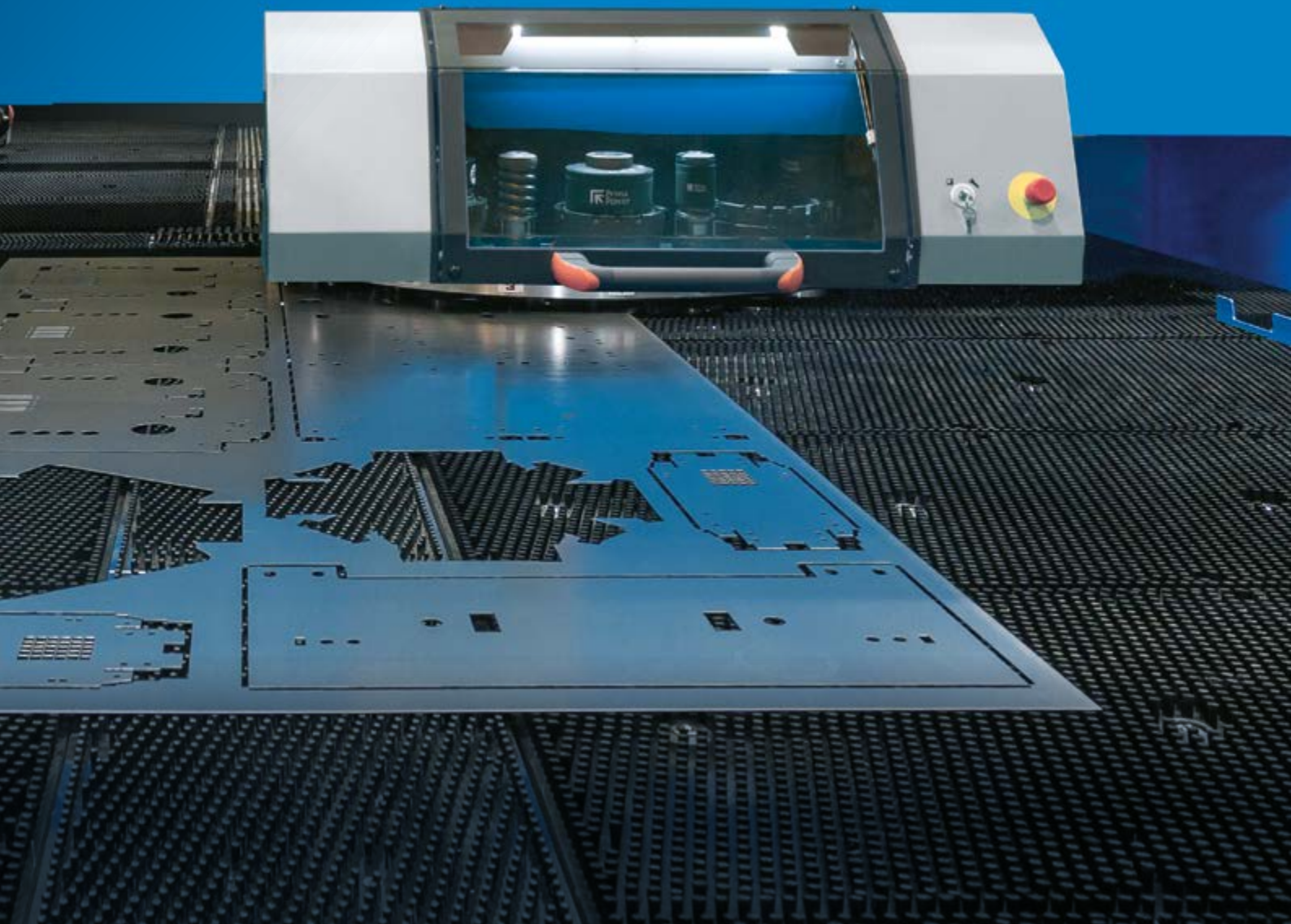
### Punch Sharp

A flexible, compact, and expandable punching machine with superb accuracy, energy saving and productivity. Prima Power's ECOPUNCH® concept is an astonishing cost saver in terms of energy consumption.

### Punch Genius

Superb accuracy, flexibility and productivity are gained through its large tool capacity, wide range of optional features available and possibility to expand with automation for developing needs of production.





## PUNCHING TOOLS

Prima Power provides an extensive tooling portfolio and a consulting service to always use the perfect tool for any need and to reduce additional steps and setup. This results from a unique set of technical features:

- Two turret construction alternatives: 16 and 20 stations
- Multi-Tools®
- Rotating Auto-Index system
- Intelligent ram

Prima Power punching tools offer more than 20% longer tool life than conventional tool steels.



# PUNCH-LASER

LEVEL UP YOUR VERSATILITY WITH OUR  
AUTOMATED MULTI-PURPOSE SOLUTIONS

- 1 Highly profitable combination of different processes: **punching, tapping, forming, marking, and laser cutting.**
- 2 Unbeatable **flexibility** for even the most **complex shapes** and **widest material range (0.5-8 mm)**, including **sensitive materials**, thanks to intelligent brush table solutions.
- 3 Best-in-class **productivity**<sup>(1)</sup> thanks to the combination of punching force **up to 300 kN**, speed **up to 1000 hpm** and **6 kW laser power.**



PUNCH + LASER

(1) Combi Genius Dynamic is the only machine in the market combining these three technical performances.

## COMBINED PUNCHING AND LASER CUTTING MACHINES

### Combi Sharp®

Smart and economical solution for punch-laser combination, which can be equipped with multiple options and automation solutions.

### Combi Genius®

Combi Genius is unbeatable when it comes to production versatility and flexibility, combining multiple operations in one machine. At its best when intergated in a FMS.



# PUNCH-SHEAR

LEVEL UP YOUR PROFITABILITY WITH OUR PRODUCTIVE AND MATERIAL-SAVING SOLUTIONS

- 1 Highly profitable combination of different processes: **punching, tapping, forming, marking, shearing** with **up to 600 tools** in the punch turret without additional tool storage.
- 2 Unbeatable **productivity for rectangular parts** with best in class **cutting length, +150%<sup>(1)</sup>** than market, resulting in fewer shear hits and **shorter cycle time**.
- 3 Truly **sustainable manufacturing** with **20%<sup>(2)</sup> higher sheet optimization** and **75%<sup>(3)</sup> energy saving**.



PUNCH + SHEAR

(1) Total blade length 2500 mm, market reference: 1000 mm. (2) Using our common line cutting & skeleton-free capability. (3) Compared to hydraulic technology, based on internal data analysis.



*Thanks to punch-shear machine we could eliminate the separated blanking operation and found a solution for processing an entire sheet with common-line cutting, without having to shake out parts at the end. Also part consistency and dimensional accuracy were improved and quality issues were eliminated.*

**Brad Johnson**  
Industrial Engineer and Continuous Improvement Coordinator  
(LaForce, United States)

## COMBINED PUNCHING AND SHEARING MACHINES

### Shear Genius® EVO

Punch-shear is the most effective technology for square parts and panels, lowest cost per part and highest productivity. Shear Genius EVO is the ideal cost cutting solution with higher output respecting the means of sustainable manufacturing.

### Shear Brilliance®

Implementing highly effective punch-shear technology the Shear Brilliance provides dynamic flexibility with the largest working table for punch & shear in the market, increased tooling capacity, with the fastest hit rate and extremely accurate positioning.



# PANEL BENDERS

LEVEL UP YOUR EFFICIENCY WITH THE AUTOMATION OF OUR FULL-ELECTRIC SOLUTIONS

- 1 **Cost per part up to 10%<sup>(1)</sup>** lower than market, exploiting our **fully servo-electric** technology.
- 2 Outstanding **flexibility** thanks to the **multiple configurations and sizes** even on small production batches and complex bending profiles.
- 3 Top in class **processing of materials up to 4mm<sup>(2)</sup>** with high accuracy and repeatability enhanced by DABA<sup>(3)</sup> technology.



(1) Calculated on Total Cost of Ownership, based on internal data analysis. (2) Up to 3.2mm Mild Steel, 2.5mm Inox, 4mm Aluminum (referred to EBe). (3) DABA: Dynamic Adjustment of the Bending Angle.

## PANEL BENDERS

### FBe Fast Bend

Semi-automatic bending solution with a compact layout and an affordable price but highly adaptable to any size of production batch.



### BCe Sharp

Semi-automatic panel bender with a basic configuration and a very compact layout, guarded by safety light curtains to allow fast loading and unloading, and to guarantee maximum safety for the operator.



### BCe Smart

Compact solution with an intermediate level of automation and combined loading and unloading sequence to guarantee high productivity for efficient and safe semi-automatic production.



*Prima Power's equipment has demonstrated stable comprehensive performance, working long hours with good precision, great flexibility, high automation, and high overall efficiency, while requiring less manpower.*

**Luo Yuanping**  
Production Director  
(SUNSEA AIOT Zhuhai plant, China)

### **BCe Smart +**

Semi-automatic bending solution that balances flexibility and productivity: operator, automations and technological options complement each other to produce complex components with maximum efficiency.

### **Bending Centre BCe**

Semi-automatic bending centre for medium/small batch production with LUT loading and unloading device for higher productivity.

### **Express Bender EBe**

Fully automatic panel bender that can be configured as stand-alone or connected in line with other Prima Power Flexible Manufacturing technologies (EBe FM) to offer an extremely high automation level.



# PRESS BRAKES

LEVEL UP YOUR EFFICIENCY WITH THE PRECISION OF OUR VERSATILE SOLUTIONS

- 1 Wide range for any needs, mastering **servo-electric** technology for high **accuracy** and **productivity**, **hydraulic/hybrid** technology for **high tonnage**, and **customized** solutions.
- 2 **Industry-leading productivity** in servo-electric technology with **cycle times down to -30%<sup>(1)</sup>**, combined with high repeatability and stable process over time.
- 3 Easy integration into a **robotic cell** and a **full production line**.



PRESS BRAKES

(1)Faster approach (-13%) to parts and reduced unnecessary movements with the programmable increment of the bending height; cycle time saving (-10%) thanks to the O-Frame structure and CNC crowning; stability over temperature and time ensured by electric motors (-7%).

## PRESS BRAKES

### eP Press Brake

This servo-electric press brake offers high acceleration and deceleration, fast response time, and considerable increase of the productivity compared to conventional press brakes.

### eP Genius

Efficient servo-electric eP 1030 with a fast and automatic tools change storage to offer a faster, reliable and most versatile bending solution. eP Genius is available in a Genius Duo configuration with two different press brakes connected to the same storage.

### hP Press Brake

The hP Press Brakes are the hydraulic bending response for the high tonnage market. Its high modularity allows the connection in tandem, or integration into automated lines or robotic cells.

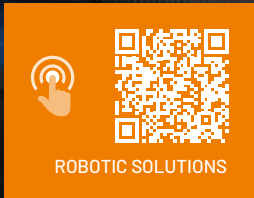




# ROBOTIC SOLUTIONS

LEVEL UP YOUR PRODUCTIVITY WITH THE MODULARITY OF OUR INTEGRATED SOLUTIONS

- 1 Profitable** for both **small and large batches** thanks to easy part programming optimization and modular automatic tool change, **up to 30%<sup>(1)</sup> faster** than market.
- 2 High repeatability** of the parts and **fast return of the investment**, thanks to the robot assisted bending process applied to servo-electric press brakes.
- 3 Fully unmanned** production integrating **cutting, stacking and bending** processes into a Flexible Manufacturing System.



(1) Referred to eP Genius with Automatic Tool Changer and anthropomorphic robot gripper reconfiguration working in parallel. Compared to tool changes made by the robot.

## ROBOTIC BENDING CELLS

Prima Power offers configurable robotic bending solutions by integrating stand-alone as well as combined panel benders and press

brakes bending machines with 6 or 7-axis industrial robots, which can be equipped with additional material handling or bending support devices.



*This is a truly unique bending solution with a panel bender, a robot and an integrated press brake. But what we like the most is the fact that the whole system is extremely flexible!*

**Michael Winkler**  
Production Manager  
(Schulthess Maschinen AG,  
Switzerland)

# AUTOMATED MANUFACTURING LINES

LEVEL UP YOUR PRODUCTIVITY WITH OUR SCALABLE AUTOMATED SOLUTIONS

- 1 **100% integrated software and manufacturing machines** to complete **24/7 automated production**, for kit, batch and mass production.
- 2 **Scalable** solutions that support your growth and changing demands **over time** through in-house designed and manufactured systems.
- 3 **4x productivity<sup>(1)</sup>** thanks to integrated processes and the reduction of low added-value manual operations.



(1) Compared to conventional cell production, based on our internal data analysis.

## FMS

### PSBB

**Punching / Shearing  
Buffering / Bending**

PSBB processes blank sheets into ready-bent, high-quality components automatically and ensures energy efficient, flexible and versatile production flow at its maximum, from programming to production reporting. PSBB is the market standard solution for panel manufacturing.

### LPBB

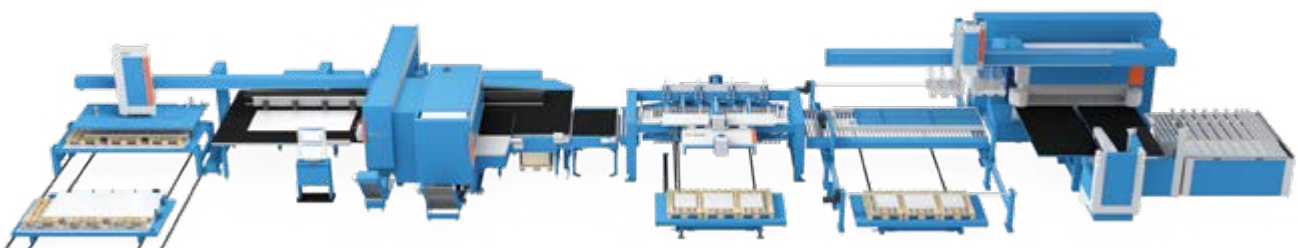
**Laser cutting / Punching  
Buffering / Bending**

The outstanding productivity offered by the LPBB flexible manufacturing system results from modular technology and intelligent material flow management and is suitable for more complex shapes in the manufactured parts.

### LBB

**Laser cutting / Buffering / Bending**

LBB offers lights-out production capacity together with outstanding flexibility of the material flow. The widest material thicknesses available. Thicker material and complex shapes can be bent with robotized press brake.





*Our customers set high demands for the quality and aesthetics of the product, while we seek ways to be cost-effective. We invested in a fully automated Prima Power PSBB line in 2010, and in 2021 we purchased our second line meeting all these requirements.*

*Gert Olofsson  
CEO (MIMSafe, Sweden)*

## PunchBend

PunchBend is an ideal manufacturing system for the production of e.g., doors or elevators if you are using cut-to-size materials.

## Night Train FMS®

Leading technology storage solution in automated flexible manufacturing systems. Night Train FMS automates the material and information systems of a facility and combines individual manufacturing stages into a single flexible process.



# STORAGE SOLUTIONS

LEVEL UP YOUR CAPACITY AND FLEXIBILITY WITH OUR AUTOMATED STORAGE SOLUTIONS

- 1 **98%<sup>(1)</sup> higher factory floor usage** and more efficient inventory than conventional storage solutions.
- 2 **2 times more storage shelving units<sup>(2)</sup>** with standalone Fast Loading storage solutions.
- 3 Storage solutions provide the **fastest material change times** in the industry with **dynamic storage management**.



(1) Night Train FMS<sup>®</sup> compared to same number of pallets on the floor. (2) Our Fast Loading is the only integrated sheet-by-sheet double tower in the market.

## STORAGE SOLUTIONS

### Fast Loading Storage

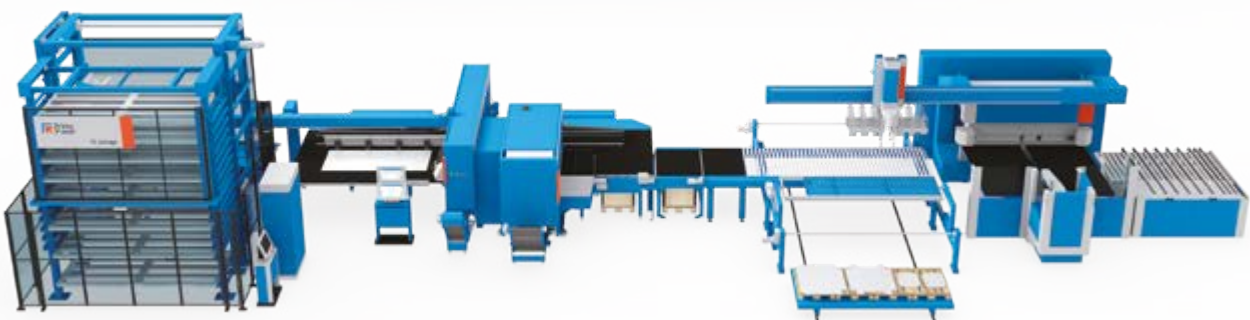
Ideal for fast material changes during production. The first block of a Night Train. Fastest (21% faster) sheet-by-sheet loading solution available.

### Fast Loading Device

An economical solution for fast material changes in material flow. Fastest (21% faster) sheet-by-sheet loading solution available.

### Combo Tower Combo Tower Laser

Smooth material flow and a large storage capacity. Makes different materials available whenever needed automatically and without delays. Enables 24/7 production. Combo Tower Laser version with integrated loading and unloading features for 2D lasers.



# AUTOMATION

LEVEL UP YOUR PRODUCTION FLOW WITH OUR EFFICIENT AUTOMATION SOLUTIONS

- 1 Reduction of manual operations with low added-value, granting **production efficiency 60% higher<sup>(1)</sup>** than manually operated machinery.
- 2 **24/7 unmanned production** possible thanks to zero-setup automation.
- 3 The **largest stacking area** available on the market, **up to 48 m<sup>2</sup><sup>(2)</sup>**.



AUTOMATION

(1) Production efficiency is internally calculated by factoring in the significant reduction of the manual work per part as well as quality improvement.

(2) Using our adaptive gripper and programmable picking areas.

## AUTOMATION SOLUTIONS FOR ALL NEEDS

Prima Power offers a wide range of flexible, reliable, and efficient modules for:

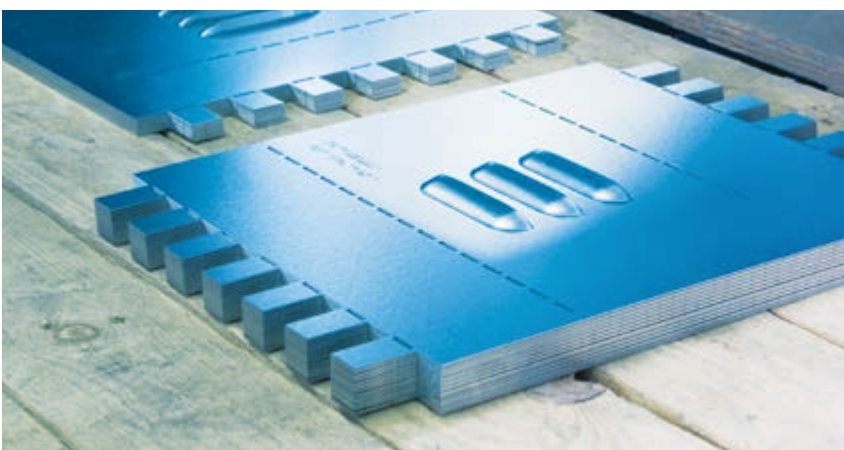
LOADING  
UNLOADING  
PICKING  
SORTING  
STACKING  
BUFFERING

The main benefit is to reduce low added-value human operations while at the same time increasing the finished product quality and the possibility of unmanned 24/7 production by automating the working cycle of the machine.



*Today, automation is becoming a key success factor in the industry. Automation is a crucial element in production efficiency, it increases competitiveness in the market and it also alleviates the challenges related to the availability of skilled labor. Automation increases the company's attractiveness both for customers and for top production professionals.*

**Kimmo Niska**  
President and CEO  
(Steelcomp Oy, Finland)



OUR SOLUTIONS | SOFTWARE

# SOFTWARE

LEVEL UP YOUR PRODUCTIVITY  
WITH OUR DIGITAL ECOSYSTEM



- 1 One **comprehensive ecosystem** for the entire production flow.
- 2 **Improved profitability** with optimized material management and data-driven process and maintenance.
- 3 **Empower your team** with enhanced programming capabilities combined with intuitive interfaces.

Always be in control of your system, regardless of the technology, with Prima Power's complete suite of machine user interface software. From controlling machine operations, tools, parameters, and production orders to the stacking of finished parts, all available directly on-board with an intuitive touch-screen interface.



SOFTWARE

# ALL IN ONE

## CONTINUOUS AND INTEGRATED PRODUCTION FLOW



1

### PLAN PRODUCTION PLANNING

#### Tulus® Office

- ERP bidirectional communication
- Production schedule based on deadlines and machine availability
- Fully automatic production programming



2

### PROGRAM CAD/CAM & SIMULATION

#### NC Express

- CAD/CAM for programming 2D laser, punching, shear and combi machines, bending and automations
- Automatic programming and integrated solutions
- Dedicated solutions for 3D laser and bending machines



3

### RUN INTUITIVE INTERFACE

#### Tulus® HMI

- Pivot point of a holistic software ecosystem
- Closed loop between programming software and machine data
- Intuitive and user-friendly interface



4

### CONTROL MONITORING AND REPORTING

#### Tulus® Office

- Real time machine production status overview
- Customized report about production and machine performance
- Data visualization and customized dashboard for business intelligence solutions



5

### TRUST SECURE DATA-DRIVEN SERVICE

#### Remote Care

- Secure machine data collection for quick interventions
- Privacy compliance and cybersecurity certification
- Proactive intervention for machine downtime recovery



2D & 3D LASER CUTTING | BENDING | PUNCHING & SHEARING | AUTOMATION | SOFTWARE | FMS

Partner with the knowledge and dynamism of Prima Power. *Evolve by integration*