



PUNCHING

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

CONTENTS

05/

DRIVING INDUSTRIAL
PROGRESS

03/

Evolve by integration

04/

Dynamic solutions to level up your production process

06/

PUNCHING
SOLUTIONS

05/

Driving industrial progress

06/

Punching solutions

08/ Punch Sharp®

11/ Punch Genius®

15/ Versatile tooling and features

17/ Material handling and automation

21/ Software

23/

Life-Cycle Support

24/

Prima Power's Global Presence

24/

PRIMA POWER'S
GLOBAL PRESENCE



Visit our website

Find out more about
what our technologies
can do for you and how
you could benefit from
our consulting and
assistance services:

primapower.com



EVOLVE BY INTEGRATION

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 and save energy and money.

The sheet metal industry asks for evolution – and evolution is what we have always offered at Prima Power. We do it through the widest range of machines in the industry.

But above all, 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.

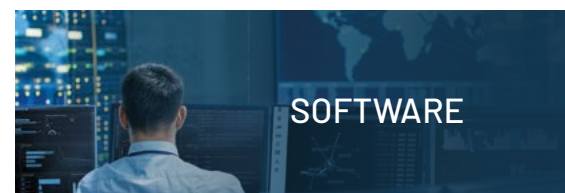
Our brand promise means all that. To level up productivity through targeted dynamic solutions. To support growth through modular and scalable offers. **To evolve by integration.**

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**.

Level up your production with Prima Power.
DISCOVER HOW



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.

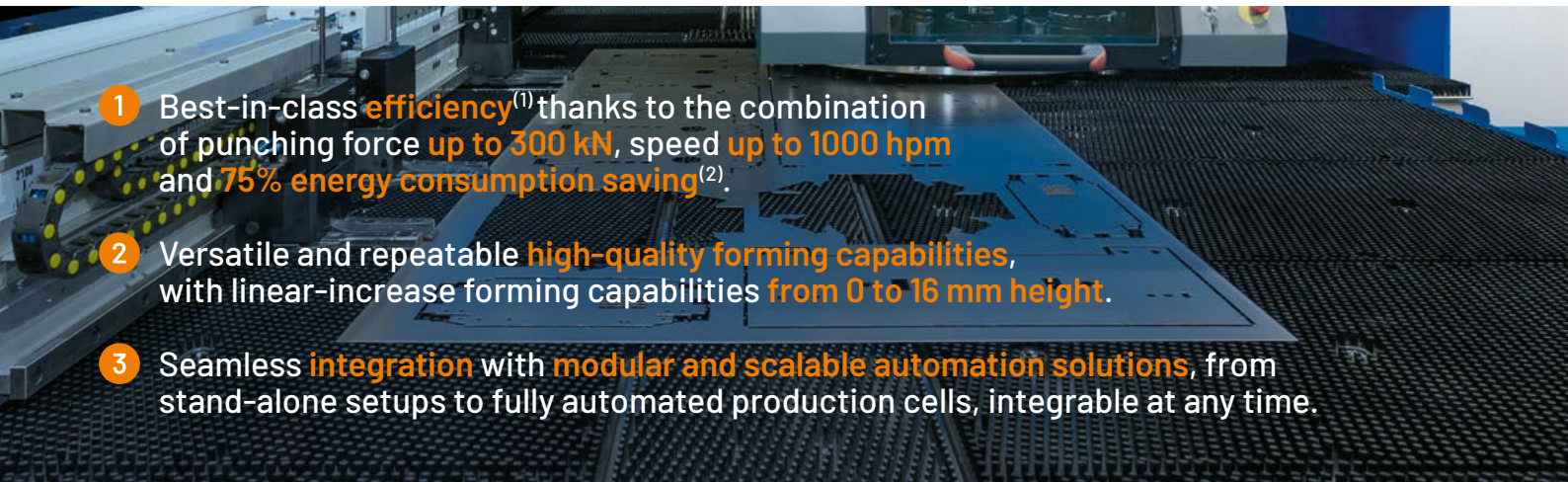
Prima Power is present in our everyday lives. **DISCOVER HOW**



Visit our website
Find out more

PUNCHING

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



- 1 Best-in-class **efficiency**⁽¹⁾ thanks to the combination of punching force **up to 300 kN**, speed **up to 1000 hpm** and **75% energy consumption saving**⁽²⁾.
- 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.

ULTIMATE PERFORMANCE

The Genius series has models on two complementary performance levels.

P **PURE** meets all the targets set for an attractively priced, yet efficient production machine.

D **DYNAMIC** offers the best productivity and performance in the market.

The Sharp series has Dynamic available as an option.

Both models come with the latest features and can be equipped with the whole range of options.





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 laser cutting applications that we have been pioneering since 1979.

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



82%

ENERGY SAVED

BY OUR SERVO-ELECTRIC
PUNCHING WITH THE
ECOPUNCH® TECHNOLOGY



FULLY SERVO-ELECTRIC
4 KW AVERAGE POWER
CONSUMPTION



Visit our website

Find out more



PUNCH SHARP®

STATE OF THE ART IN SERVO-ELECTRIC PUNCHING TECHNOLOGY



Prima Power's Punch Sharp is the result of pioneering experience, offering state-of-the-art servo-electric punching technology in an eminently flexible and affordable package. The genius of servo-electric punching is how it combines energy saving and ergonomics with superb accuracy and productivity.

Punch Sharp has been designed to offer versatile capacity made easy to utilize: machine control and user interface software with touch screen panel ensure fast setup and convenient operation.



NO TOOL SETUPS

Customized turret design allows up to 384 standard or 128 index tools for active use.



MODULAR TECHNOLOGY

Manufacturing cell can be equipped with automation solutions to achieve unattended production.



OPTIONAL PERFORMANCE LEVEL DYNAMIC

Dynamic performance
900 hpm/25 tons

PUNCH SHARP®



- Easy loading solutions
- Lifting brushes for extra protection of sensitive material surfaces
- Pneumatic central clamp locking system and Programmable Clamp Setting (PCS)
- Accurate punching movement - excellent forming and marking capability
- Lifting die - Excellent upforming capability
- With Pure Performance max. punching speed 700 hpm or max. punching force 23 tons.
- With optional Dynamic Performance punching speed 900 hpm or max. punching force 25 tons.
- Fully programmable punching speed and upper and lower limit of stroke.
- Tooling system compatible with the latest technologies, e.g. indexable Multi-Tools® Touch screen and Tulus® user interface.



Visit our website
Find out more



TECHNICAL SPECIFICATIONS

PUNCH SHARP®

	PS1225	PS1530	PS1540	
Maximum sheet size	2,500 x 1,250	2,500 x 1,250	2,500 x 1,250	(mm)
X movement	2,500	3,000 or 2,500	3,000 or 2,500	(mm)
Table height	935	935	935	(mm)
Sheet size X x Y, max.	2,530 x 1,270	3,074 x 1,565	4,300 x 1,565	(mm)

PERFORMANCE LEVEL	PS1225 / PS1530 / PS1540			
Punching force	170, 200, 230 or 250			(kN)
Punching speed	up to 900			(hpm)
Punch stroke	Electrical servo motor			
Max. tools in turret / index tools	16 hole turret: 384/128			
	20 hole turret: 250/80			
Punch diameter, max.	89			(mm)
Material thickness, max.	8			(mm)
Sheet weight, max.	200			(kg)
Average power consumption	4			(kW)



PUNCH GENIUS®

OUTSTANDING ENERGY EFFICIENCY, LOW MAINTENANCE REQUIREMENT AND A HIGH SPEED OF OPERATION.



A modern turret punch press uses numerically controlled, servo-electric axes, which provides outstanding energy efficiency, low maintenance requirement and a high speed of operation. The cornerstones of its productivity include large tool capacity, the wide range of tools available and easy and fast setup change. Forming and other auxiliary work stages and ease of use are further factors reducing the manufacturing cost per component thus making the turret punch press a productive and competitive manufacturing solution.

TWO PERFORMANCE LEVELS



PURE

Meets all the targets set for an attractively priced, yet efficient production machine



DYNAMIC

Offers the best productivity and performance in the market

PUNCH GENIUS®



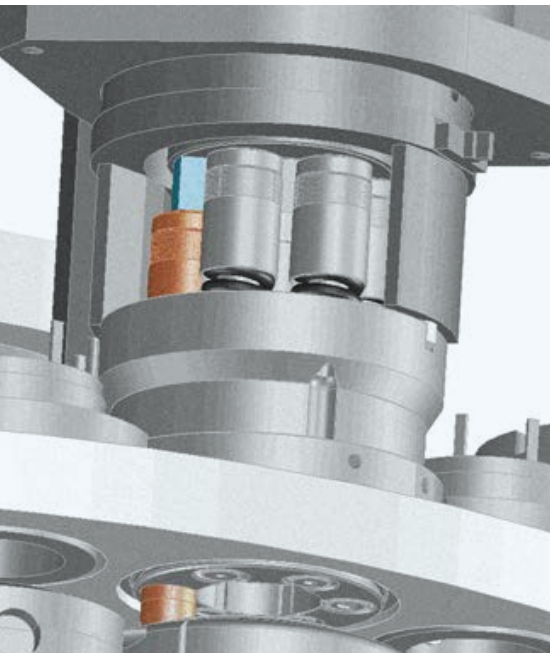
- Selectable 23 or 30 ton punching force.
- 20 station turret with 16 normal tool holders (A, B, C, D) and four index tool holders (2 x Bi, 1 x Ci, 1 x Di).
- Max. 400 tools in the turret for active use. Turret is compatible with standard thick turret tooling.
- Up to four sheet clamps with central locking and foot pedal.
- Prima Power CNC control: PC-based TwinCat motion control with Rexroth IndraDrive motors & drives.
- Touch screen operated graphical user interface Tulus®, including one-year maintenance licence.
- Modular and easy to automate.



Visit our website
Find out more



PUNCH GENIUS®



INTELLIGENT RAM

Intelligent ram is an option for Genius series punching machines that shortens tool change time and increases the number of tools in turret and especially that of index tools. Intelligent ram includes a rotating ram head that enables old Multi-Tool® types to be used as indexable.

Up to 300 kN servo-electric punching force can be selected for the ram. Automatic overload protection and central lubrication ensure dependable machine operation.

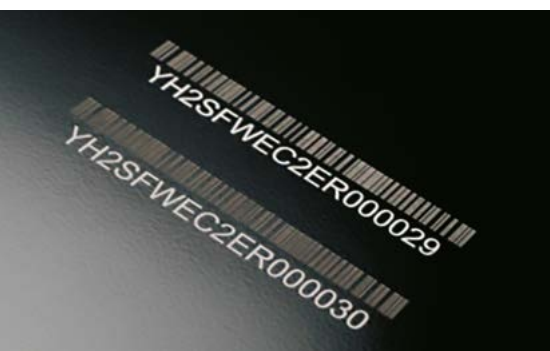


SCRATCH FREE

A new feature that has moving brushes also in front and inside of the turret, which prevents effectively the scratching of sensitive materials. The movement is activated by the program when needed.

Further options include the servo-operated tapping unit TU6, automatic labelling device and Inkjet marking device.

The high-precision, servo-electric, indexable upforming cylinder provides 200 kN of forming power for fast making of even high and complicated forms and continuous roll forming.



Watch the video



TECHNICAL SPECIFICATIONS

PUNCH GENIUS®

	PG1530	PG1540	
Maximum sheet size	3,000 x 1,500	4,300 x 1,500 with repositioning	(mm)
X movement	3,000	3,000	(mm)
Table height	1,100	1,100	(mm)
Material thickness, min.	0.5	0.5	(mm)
PERFORMANCE LEVEL	Pure	Dynamic	
Punching force	170, 200 or 300	300	(kN)
Punching speed	700	1,000	(1/min)
Punch stroke	Electrical servo motor	Electrical servo motor	
Axis positioning speed	X30, 127	X30, 150	(m/min)
Max. tools in turret / index tools	16 hole turret: 384/384	16 hole turret: 384/384	
	20 hole turret: 400/240	20 hole turret: 400/240	
Punch diameter, max.	89		(mm)
Material thickness, max.	8	8	(mm)
Sheet weight, max.	250	250	(kg)
Average power consumption	4	4	(kW)



VERSATILE TOOLING AND FEATURES

LARGE TOOLING CAPACITY

Prima Power punching machines have a large number of tools due to a set of technical features that is not available from any other manufacturer:

- Multi-Tools®
- Rotating Auto-Index system
- Intelligent ram

With a carefully designed turret, Prima Power customer can make things happen easier and faster:

- with max. 400 tools in the turret, there is less need to stop the machine for re-tooling
- easier programming: a tool needed to make a part is in the turret
- better usage of the sheet, as parts can be nested freely when the tools rotate.



Visit our website

Explore the Prima Power tooling concept



VERSATILE TOOLING AND FEATURES

LARGE TOOLING CAPACITY

FORMING, TAPPING, MARKING MORE VALUE TO PARTS

Prima Power's servo-electric Ecopunch® technology offers several highly productive tools in a single machine.

Automatic tapping can be achieved with the Multithread tapping tool.

Prima Power options include part tracing systems from labelling to laser marking.

CUSTOMIZED TURRET DESIGN

Tooling can be flexibly selected as required by the application. Up to 400 standard or 384 index tools can be simultaneously available in the turret for active use. Turrets with 16 and 20 stations are available in both Sharp and Genius series.

The setup of all punching, forming and special tools is easy using the graphical tool library of the Tulus® operating system.

Automatic tool lubrication system and vacuum-assisted scrap removal are available as options.



Watch the video

Explore the Prima Power Punching Solutions



Wheel tool



Multithread tapping



Laser marking



Intelligent ram



MATERIAL HANDLING AND AUTOMATION

LEVEL UP YOUR PRODUCTION FLOW
WITH OUR EFFICIENT AUTOMATION SOLUTIONS

Compact Express

- Fully automated device for sheet loading and unloading
- Sheet holder for scratch-free unloading
- Machine can be operated with simultaneous manual and automated material handling
- Sheets can be added and removed while the machine operates
- Remote-controlled safety door for easy material handling with a forklift
- Compact size, does not increase required floor space much more from that of the machine
- Two models for 2.5 m and 3 m sheets

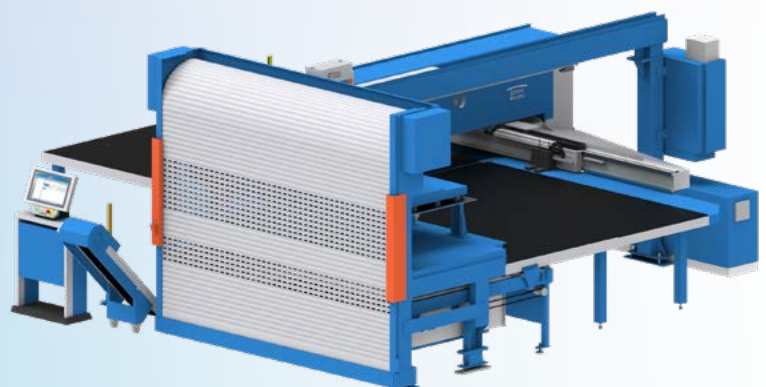
UDC - Unloading Device for Sheets

- Removes skeletons with micro-jointed parts from the machine table
- Can be used with the machine or integrated to Compact Express

Punch Genius PG1530 with Compact Express



Punch Genius PG1530

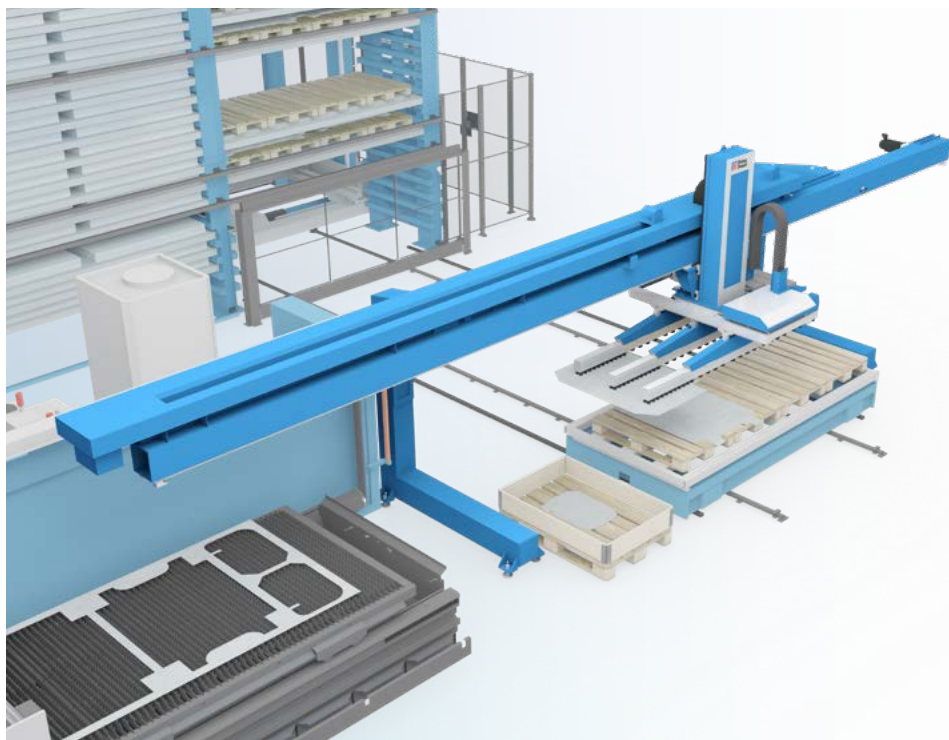


MATERIAL HANDLING AND AUTOMATION

LEVEL UP YOUR PRODUCTION FLOW
WITH OUR EFFICIENT AUTOMATION SOLUTIONS

LST - Loading and Stacking System for Automated Material Handling

- Compact high-performance automatic loading and stacking robot
- LST loads the sheets into the machine, picks the parts and sorts them to stacks
- Parts are picked up in front of the turret or from the cutting head by a pneumatic gripper
- Skeletons are removed by the unloading device
- UDC integrated to machine table
- Two main frame lengths with different number of table or wagon positions
- Fully compatible with all our other automation systems

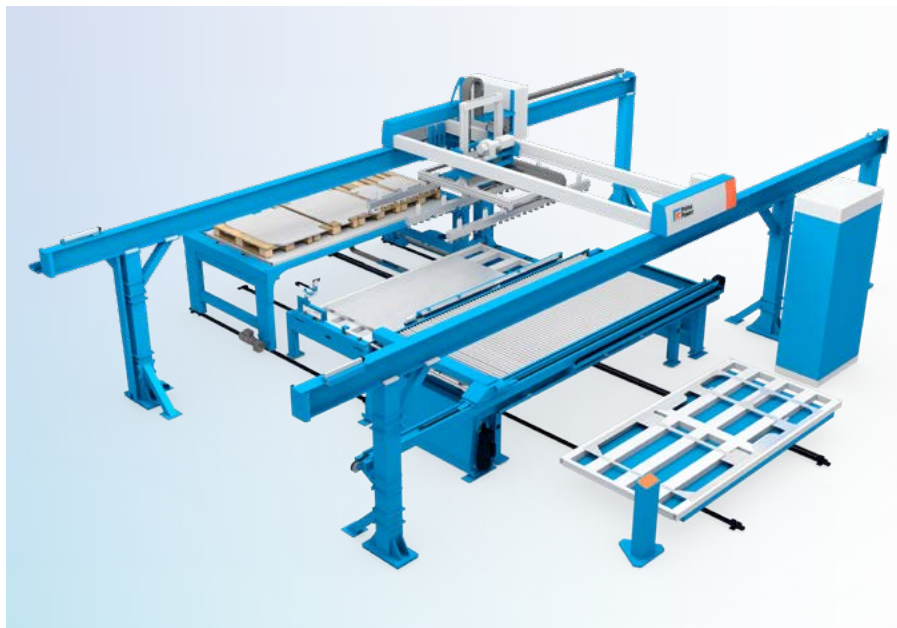


MATERIAL HANDLING AND AUTOMATION

LEVEL UP YOUR PRODUCTION FLOW
WITH OUR EFFICIENT AUTOMATION SOLUTIONS

LSR - Loading and Stacking Robot for Automatic Material Loading and Part Sorting

- Loads sheets to the machine and stacks finished work pieces onto pallets. Due to the servo drive motion system, the stacking is extremely accurate
- LSR is available in two sizes for 3.0 m and 4.3 m sheet lengths and two main frame lengths with different number of table or wagon positions



SU - Sorting Unit for Small Components

- A device that moves three EUR pallets to programmed positions under the machine table
- The unit is used to sort parts coming from the work chute of the machine directly to pallets
- Perfect low-cost solution for automatic small part sorting

MATERIAL HANDLING AND AUTOMATION

LEVEL UP YOUR PRODUCTION FLOW
WITH OUR EFFICIENT AUTOMATION SOLUTIONS

Night Train Connection

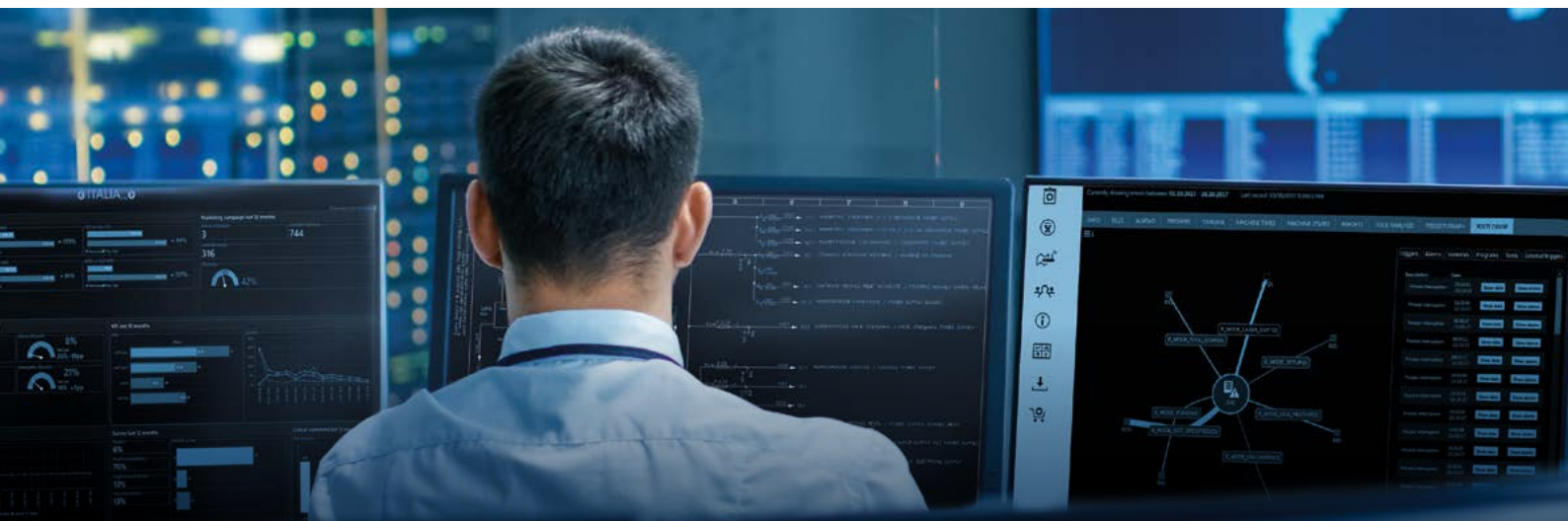
- With automation, punching machines can be connected to a flexible manufacturing system for continuous unmanned production



	SORT	UNLOAD	LOAD / UNLOAD	SORT	LOAD / UNLOAD SORT	FMS	LD
	SU	UDC	COMPACT EXPRESS	LST	LSR	NIGHT TRAIN CONNECTION	LD
PUNCH SHARP 1225	•	•	•	•			•
PUNCH SHARP 1530	•	•	•	•		•	•
PUNCH SHARP 1540	•	•				•	•
PUNCH GENIUS 1530	•	•	•	•	•	•	•
PUNCH GENIUS 1540	•	•			•	•	•

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.



Visit our website

Learn more about the
Prima Power Software



ALL IN ONE

CONTINUOUS AND INTEGRATED PRODUCTION FLOW





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

- SOLUTION SETUP •
- 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 •
- ON-SITE, PHONE & REMOTE SUPPORT •
- SPARE PARTS & TOOLS •
- SPECIALIZED TECH SUPPORT •



PRIMA POWER'S GLOBAL PRESENCE

WORLDWIDE CUSTOMER-FOCUSED APPROACH

Prima Power's global presence embodies its **dynamic approach and unwavering focus on customers**. With a widespread industrial, 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

6 R&D AND PRODUCTION PLANTS

SEMEA

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



PLANT
R&D CENTER
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



Find out where
we are
closest to you



Send us your request
or start a live chat

 Prima
Power IS PART OF **PRIMA INDUSTRIE GROUP**

1,700 PEOPLE

~500 M € REVENUES



