Prima Power

The Bend
The Combi
The Laser
The Press
The Punch
The Shear
The System
The Software

Product range

Laser & sheet metal machinery

Next to you

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What can be found in this brochure

Thanks to the modularity of our products, we are able to offer manufacturing solutions ranging **from single stand-alone machines up to the complete system** for the management of work phases, flow of information and material handling.

The integration with other technologies of sheet metal processing included in our product range, allows us to offer our customers **the most complete production solutions possible.**

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.

Next to you

Prima Power is a leading specialist in machines and systems for sheet metal working. **Our offering in this field is one of the widest and covers all applications**: laser processing, punching, shearing, bending and automation.
The Group employs over 1,600 people and has manufacturing sites in Italy, Finland, China and the US, as well as a worldwide commercial and after-sales presence.

EXPERIENCE
40 years of experience and more than 12,000 installed machines.

MODULARITY
Our machines can also be combined with our automation modules to create a complete system for the whole working process.

INNOVATION
An expert R&D team committed to research the most competitive technology for our customers.

GREEN MEANS
Sustainability and social responsibility are characteristics of modern companies and add to competitiveness.

What does Green mean?

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 & 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.

The PUNCH

PUNCH GENIUS

Punch Genius is a customer-oriented, full-featured, high-performance servo-electric punching solution with numerically-controlled, servo-electric axes.

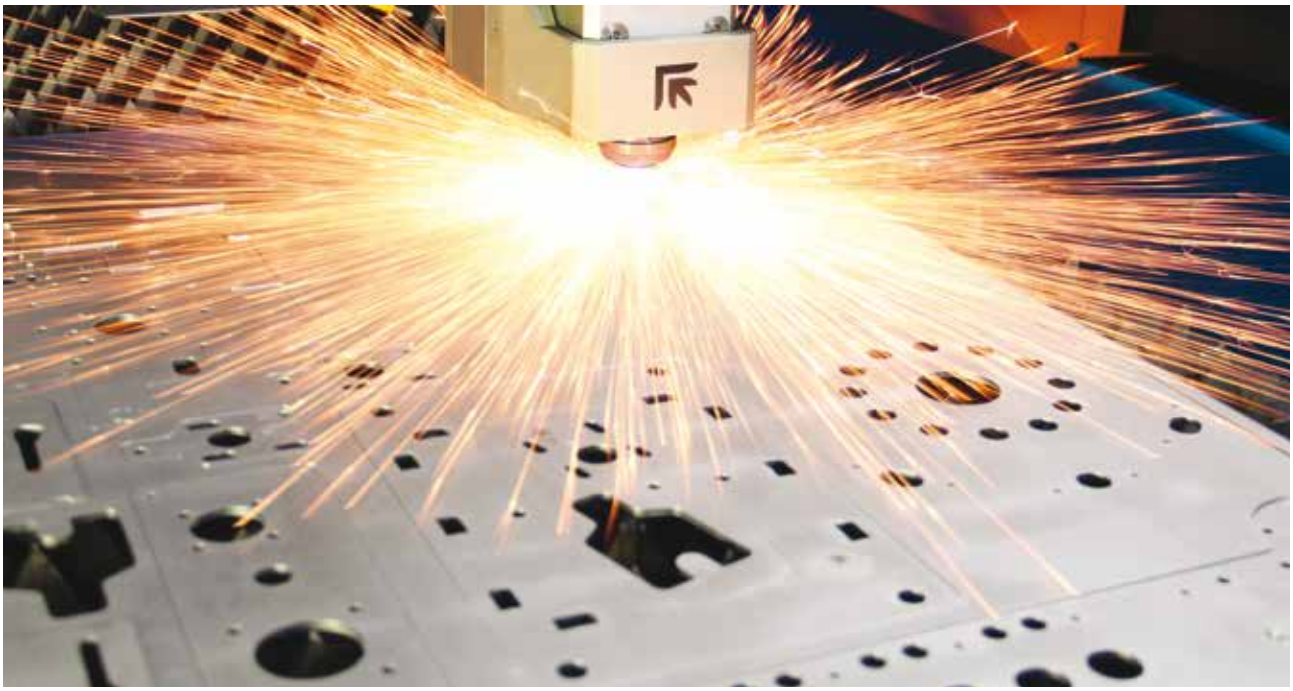
EX SERIES

Ex Series is a standard servo-electric turret punch press series, offering the state of the art in servo-electric punching technology in an eminently flexible and affordable package.

	X - MOVEMENT (mm)	SHEET SIZE (mm)	PUNCHING FORCE (t)	PUNCHING SPEED (l/min)	SHEET POS. SPEED (m/min)	AVAILABLE AUTOMATION
Punch Genius 1225	2,500	1,250x2,500	23* - 30**	700* - 1,000**	108* - 127**	CE, LST
Punch Genius 1530	2,500	1,500x3,000	23* - 30**	700* - 1,000**	108* - 127**	CE, LST
Punch Genius 1530	3,000	1,500x3,000	23* - 30**	700* - 1,000**	127* - 150**	CE, LST, LSR, LD/UD
Punch Genius 1540	3,000	1,500x4,300	23* - 30**	700* - 1,000**	127* - 150**	LD/UD, LSR
E5X	2,500	1,250x2,500	23	700	108	CE, LST
E6X	2,500	1,500x3,000	23	700	108	CE, LST
E8X	2,500	1,500x4,300	23	700	108	CE, LST

* Pure - ** Dynamic

The LASER - 2D Line



LASER GENIUS

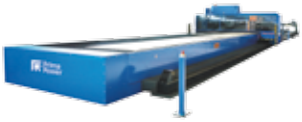
Best quality, high accuracy and productivity without compromises on the whole thickness range thanks to the best integration of all machine components.

PLATINO FIBER EVO

Productive, efficient and easy to use fiber laser cutting machine. The Best compromises in terms of flexibity and high quality in all thicknesses and application.

PLATINO

Flexibity and High quality in all thicknesses and application, user-friendly and compact flat cutting machine with an excellent price/ performance ratio.



MAXIMO

Flat cutting machine with unlimited work area. Movement on rails fixed to the ground.

	SOURCE TYPE	SHEET FORMAT (mm)	TUBE PROCESSING	DRIVE MECHANISM	AVAILABLE AUTOMATION
Laser Genius	Fiber 3-6 kW	1,500x3,000 - 2,000x4,000	No	Linear Motor	LST, LU, CTL, CS
Platino Fiber Evo	Fiber 2-6 kW	1,500x3,000	Yes	Brushless and ballscrew	LST, LU, CTL, CS
Platino	CO_2 2.5-5 kW	1,500x3000 - 2,000x4,000	Yes	Brushless and ballscrew	LST, LU, CTL, CS
Maximo	CO_2 4 kW	3,000x9,000-36,000	No	Brushless and ballscrew	-

The LASER - 3D Line

LASER NEXT 1530

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

LASER NEXT 2130

High productive 3D laser machine and developed for the cutting of large sized automotive compenents, e.g. the new door ring concept.

LASER NEXT 2141

Designed for large parts processing and jobshop applications with flexible configurations and advanced technology for different applications.

RAPIDO

Three-dimensional cutting and welding. The fully tried-and-tested “workhorse” for every application with fiber laser.

OPTIMO

The higher-class, three-dimensional machine for the cutting and welding of large workpieces with superior quality and accuracy.

LASERDYNE 430

The flexible laser machining platform for a wide range of high-precision applications.

LASERDYNE 606D

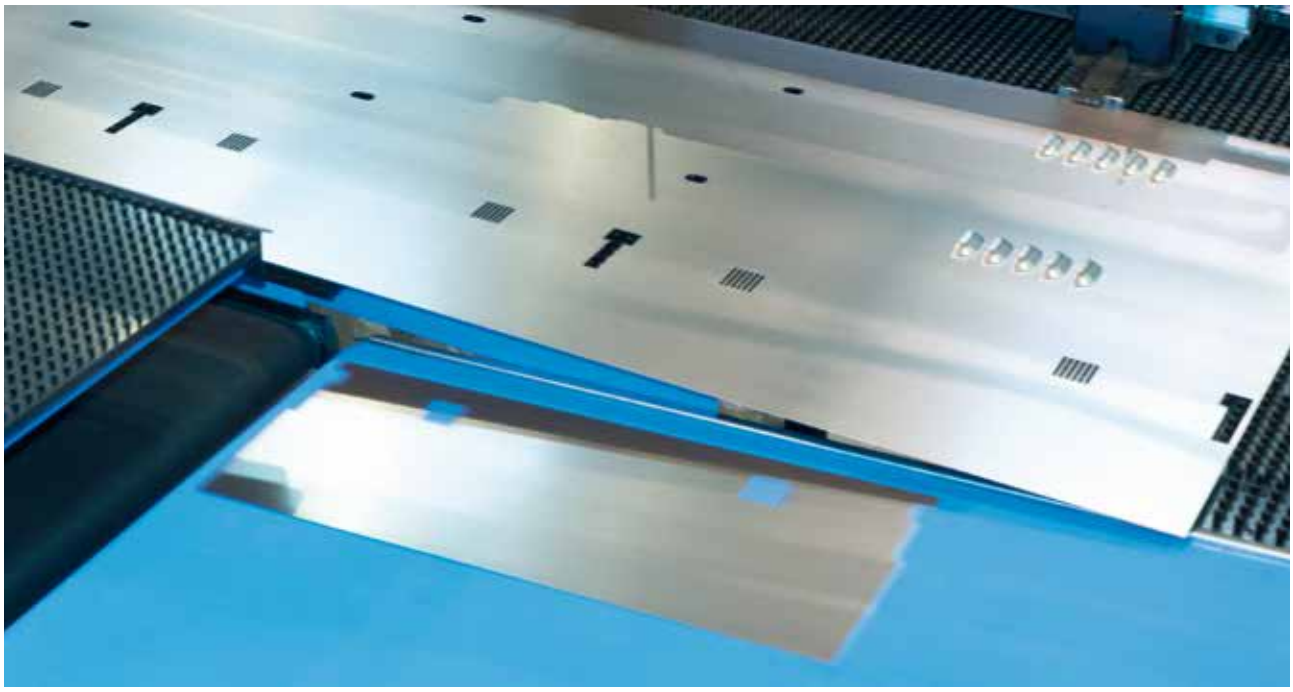
Incorporates two completely independent 5 to 7 axis laser cutting, welding, and drilling systems in a single structure.

LASERDYNE 795

The premier multi-axis laser processing system for drilling, welding, and cutting precision components.

	SOURCE TYPE	WORKING ENVELOPE (mm)	DRIVE MECHANISM	MAIN FEATURES
Laser Next 1530	Fiber 3-4 kW	X: 3,050 - Y: 1,530 - Z: 612	Linear motor (X, Y axes) Direct drive (head)	Turntable, Scrap conveyor
Laser Next 2130	Fiber 3-4 kW	X: 3,050 - Y: 2,100 - Z: 612	Linear motor (X, Y axes) Direct drive (head)	Turntable, Scrap conveyor
Laser Next 2141	Fiber 3-4 kW	X: 4,140 - Y: 2,100 - Z: 1020	Linear motor (X, Y axes) Direct drive (head)	Turntable (scrap conveyor), Split cabin, Shuttles, 2D cutting, Welding head
Rapido	Fiber 2-4 kW	X: 4,080 - Y: 1,530 - Z: 765	Conventional motor (linear axes) Direct drive (head)	Scrap conveyor, 2D cutting, Welding head, split cabin
Optimo	CO_2 2.5-5 kW	X: 4,500 - Y: 2,500 - Z: 1,020	Conventional motor (linear axes) Direct drive (head)	Split cabin, Shuttles Welding head
Laserdyne 430	CW or QCW fiber laser	X: 585 - Y: 400 - Z: 500	Conventional motor (linear axes) Direct drive (head)	Fully integrated 6th axis
Laserdyne 606D	CW or QCW fiber laser	X: 600 - Y: 600 - Z: 600	Linear motor (X-Y axes) Conventional motor (Z axis) Direct drive (head)	Fully integrated 6th and 7th axes, OFC
Laserdyne 795	Nd: YAG, CO_2, CW or QCW fiber laser	X: 1,000 / 2,000 - Y: 1,000 Z: 1,000 / 1,370 / 1,830	Conventional motor (linear axes) Direct drive (head)	Fully integrated 6th and 7th axes, Shuttles

The SHEAR



SHEAR GENIUS®

Shear Genius® SGe is a servo-electric punching/shearing cell based on integrated punching and shearing, automatic loading, and component exit offering more capacity, quality, and cost efficiency.

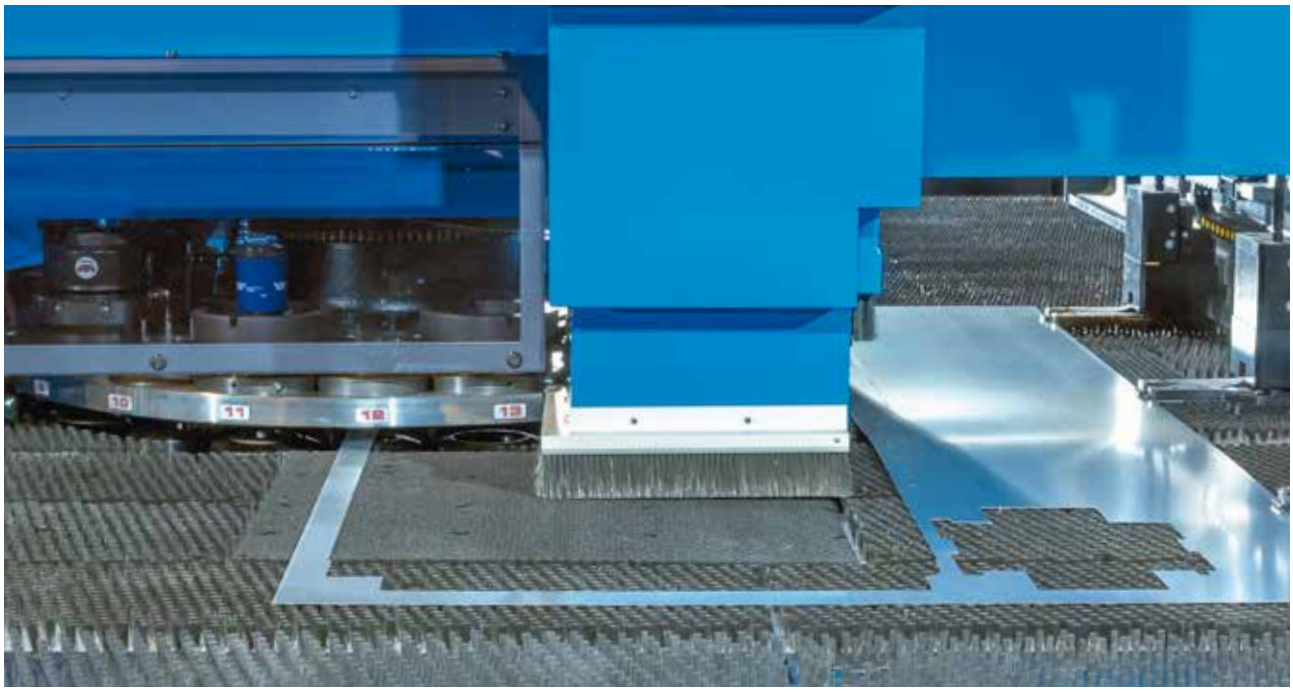
SHEAR BRILLIANCE

Shear Brilliance is a servo-electric punching/shearing cell based on the very latest in composite materials, servo-electric technology, and linear drives to achieve truly impressive performance values.

	SHEET SIZE (mm)	PUNCHING FORCE (t)	PUNCHING SPEED (l/min)	SHEET POS. SPEED (m/min)	AVAILABLE AUTOMATION
Shear Genius 1530	1,500x3,000	23*-30**	700*-1,000**	127*-150**	LD, C-conv. STS, PSR
Shear Genius 1540	1,500x4,300	23*-30**	700*-1,000**	127*-150**	LD, C-conv. STS, PSR
Shear Brilliance 6	1,500x3,000	35	1,300	210	LD, C-conv. STS, PSR
Shear Brilliance 8	1,500x3,000	35	1,300	210	LD, C-conv. STS, PSR

* Pure - ** Dynamic

The COMBI



COMBI SHARP

Servo-electric Combi Sharp is a compact punching and fiber laser cutting cell with improved accessibility. 1 kW resonator and large tooling capacity offer superior manufacturing economy when options including automated material handling take it even further.

COMBI GENIUS

Servo-electric Combi Genius punching and fiber laser cutting cell with 3kW or 4kW CF resonator provides outstanding energy efficiency, low maintenance requirement, and a high speed of operation, including a large tool capacity and easy and fast set-up change.

	X - MOVEMENT (mm)	SHEET SIZE (mm)	PUNCHING FORCE (t)	PUNCHING SPEED (l/min)	SHEET POS. SPEED (m/min)	AVAILABLE AUTOMATION
Combi Sharp CS1225	2,500	2,500x1,250	17 - 23	700	108	N/A
Combi Genius 1225	2,500	1,250x2,500	23* - 30**	700* - 1,000**	108* - 127**	CE, LST
Combi Genius 1530	3,000	1,500x3,000	23* - 30**	700* - 1,000**	127* - 150**	CE, LD/UD, LST, LSR
Combi Genius 1540	3,000	1,500x4,300	23* - 30**	700* - 1,000**	127* - 150**	LD/UD, LSR

* Pure - ** Dynamic

The PRESS

eP SERIES

Prima Power eP-brakes feature the advantages of high acceleration, deceleration and fast response times of the servo-electric drive system, and represent the state of the art in combining safety, productivity, and precision.

	BENDING LENGTH (mm)	PRESS TONNAGE (kN)	MOTOR TYPE
eP-0520	2,100	550	Brushless
eP-1030	3,150	1,050	Brushless
eP-1336	3,640	1,350	Brushless
eP-2040	4,100	2,000	Asyncronous

The BEND

Fast Bend FBe

Highly flexible, efficient, productive and userfriendly servo-electric bending solution.

BCe SMART

New semi-automatic bending process by Prima Power with manual material handling in a single ergonomic sequence.

BCe

Semi-automatic bending process by Prima Power with shorter cycle time for medium-small production batches.

EBe

Servo-electric technology for better bending and improved operation economy.

EBe FM

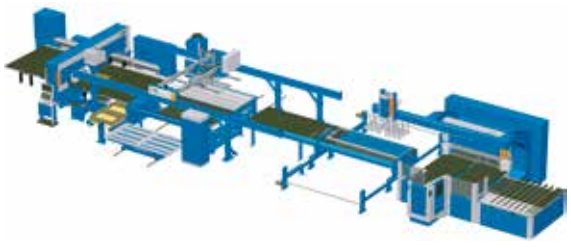
Fully automatic servo electric technology with an excellent level of automation and customization.

	MAX BENDING LENGTH (mm)	MAX SHEET LENGTH (mm)	BENDING FORCE (ton)	SHEET THICKNESS (mm) STEEL / ALL.	MAX BEND HEIGHT AND DIAGONAL
FBe	2,250 (size 4) 2,750 (size 5) 3,350 (size 6)	2,850 (size 4) 3,000 (size 5) 3,800 (size 6)	32 (size 4) 41 (size 5, 6)	3.0 ÷ 4.0 (size 4) --- 3.2 ÷ 4.0 (size 5) --- 3.0 ÷ 3.5 3.2 ÷ 4.0 for max. 3,000 length (size 6)	204
BCe	2,250 (size 4) 2,750 (size 5)	2,850	32 (size 4) 41 (size 5)	3.0 ÷ 4.0 (size 4) --- 3.2 ÷ 4.0 (size 5)	204 - 3,000
BCe Smart	2,250	2,850	32	2.5 ÷ 3.5 3.0 ÷ 4.0 for max. 1,900 length	204 - 3,000
EBe EBe FM	2,250 (size 4) 2,750 (size 5) 3,350 (size 6) 3,800 (size 3820)	2,850 (size 4, 5) 3,800 (size 6) 4,000 (size 3820)	32 (size 4) 41 (size 5, 6, 3820)	3.0 ÷ 4.0 (size 4) --- 3.2 ÷ 4.0 (size 5) --- 3.0 ÷ 3.5 3.2 ÷ 4.0 for max. 3,000 length (size 6) --- 2.0 ÷ 3.0 for max. 3,800 length 3.2 ÷ 4.0 for max. 3,000 length (size 3820)	204 3,000 (size 4, 5) 3,950 (size 6) 4,000 (size 3820)

The SYSTEM / Manufacturing lines

PSBB
Punching, Shearing, Buffering and Bending

PSBB is a compact, flexible manufacturing line processing blank sheets into ready-bent, high-quality components. As an integrated production system, PSBB reduces the whole fabrication process into a single stage, which consists of automatic information flow, manufacturing stages, and material handling including intelligent buffering. Especially in the production of sheared-off parts, PSBB offers outstanding production efficiency.



LPBB
Laser cutting, Punching, Buffering and Bending

The compact LPBB manufacturing line processes blank sheets into ready-bent, high-quality components automatically. The line features both outstanding machine flexibility and routing flexibility, which is why minimum production time is wasted when changing from one product to the next one. LPBB is the perfect solution for lights-out production of even the most intricate components from a variety of materials.

The SYSTEM / Storage solutions

COMBO TOWER

Combo Tower is a flexible material system with the compact Combo storage as a key module in automating the material flow. It makes different materials available at the working point quickly and practically, and can also serve as intermediate storage for ready components and as a buffer.

COMBO TOWER LASER

Combo Tower Laser represents the tight integration of the Combo storage and a laser machine. It offers laser machines all the same benefits as Combo Tower.

NIGHT TRAIN FMS®

Night Train FMS® automates the material flows and information systems of a facility and combines individual manufacturing stages into a single flexible process. Systems are customized using the wide Prima Power range of high-performance machine tools, integrated cells, automatic material handling solutions, and software.

FL

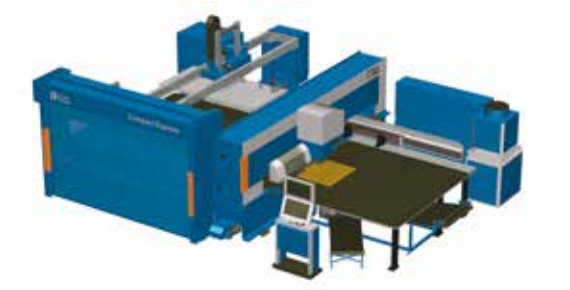
FL storage is an economical solution when fast raw material changes are needed due to production requirements. FL storage consists of FLD (Fast Loading Device), shelving unit, Night Train cassettes and a safety solution.There are different heights of storage solutions available with the capacity of different material positions from five up to twelve.

FLD

FLD gripper can pick up sheet material directly from any cassette on loading position and deliver sheet material either directly to machine connection or store materials to cassettes on fixed positions in the shelving unit.

Automation

To maximize productivity

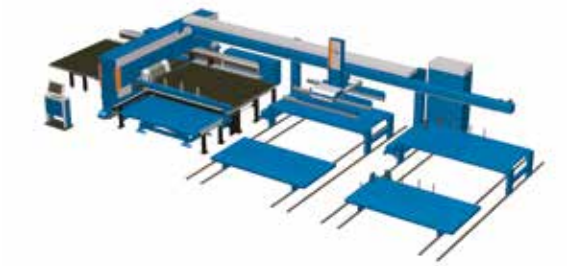


COMPACT EXPRESS CE

Entry-level solution to automate material handling. Compact Express efficiently automates raw material loading and unloading of ready components along with skeleton. Compact Express allows mixing of automatic and manual operations as needed from a production point of view.

COMPACT SERVER CS

Entry-level automation solution for loading and unloading of blanks and processed sheets with two different storage units (one for the blanks and the other for the processed sheets). Single-sheet separating and control system with a small footprint.



LOADING AND STACKING DEVICE LST

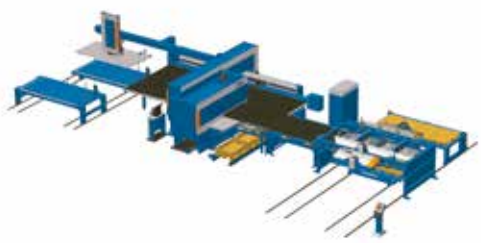
Advanced level automation for automatic material loading and part stacking. LST is a compact high-performance automatic loading and stacking robot. LST loads the sheets into the machine, picks the parts, and sorts them to stacks to be used in the next process steps. The entire working cycle of the machine is automatic.

	PRODUCT	FUNCTION
ENTRY LEVEL AUTOMATION	LD5, LD6, LD8 UD6, UD8 UDC5, UDC6 CE5, CE6, CS SU, C1500 LU6	Loading Unloading (with skeleton) Unloading (sorted, not stacked) Skeleton removal
ADVANCED AUTOMATION	LST5, LST6 STS6, STS8	Loading Unloading (sorting) Parts ready for next process steps
HIGH LEVEL AUTOMATION	LSR6, LSR8 PSR6, PSR8	Loading Unloading (sorting) Buffering Integration to next process steps

AUTOMATION FOR PUNCHING/SHEARING MACHINES: LOADING DEVICE LD, STACKING SYSTEM STS, PICKING AND STACKING ROBOT PSR

Punching/shearing machines such as Shear Genius and Shear Brilliance are delivered with loading device LD and can optionally be equipped with stacking system STS or picking and stacking robot PSR.

The loading device LD is an automatic loading system, which detaches one sheet at a time from the sheet stack and moves it into the machine's clamping position. Via automatic loading, LD offers advanced process efficiency and high flexibility.

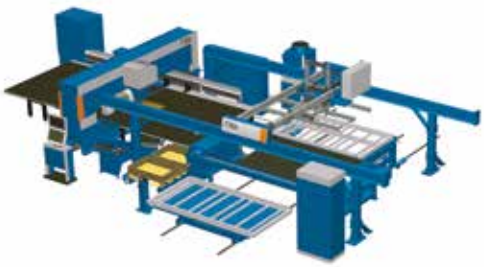


PUNCHING/SHEARING MACHINE WITH LOADING DEVICE LD AND STACKING SYSTEM STS

Stacking system STS is a part stacking solution for machine cells with shearing technology. STS features fast stacking address change when stacking parts to different stacking addresses. A fast stacking cycle and fast operational speed in part delivery also allow faster speed for the master device, which translates into high productivity and process efficiency. STS also allows unmanned production and automatic stacking of punched parts.

PUNCHING/SHEARING MACHINE WITH LOADING DEVICE LD AND PICKING AND STACKING ROBOT PSR

Picking and stacking robot PSR is a high-end solution for the advanced material flow management. PSR automates part picking, stacking, and intermediate buffering between punching/shearing machines and bending operation. PSR stacking features high accuracy with minimal space between stacks, allowing optimal usage of the stacking area, automatically.



LOADING AND STACKING ROBOT LSR

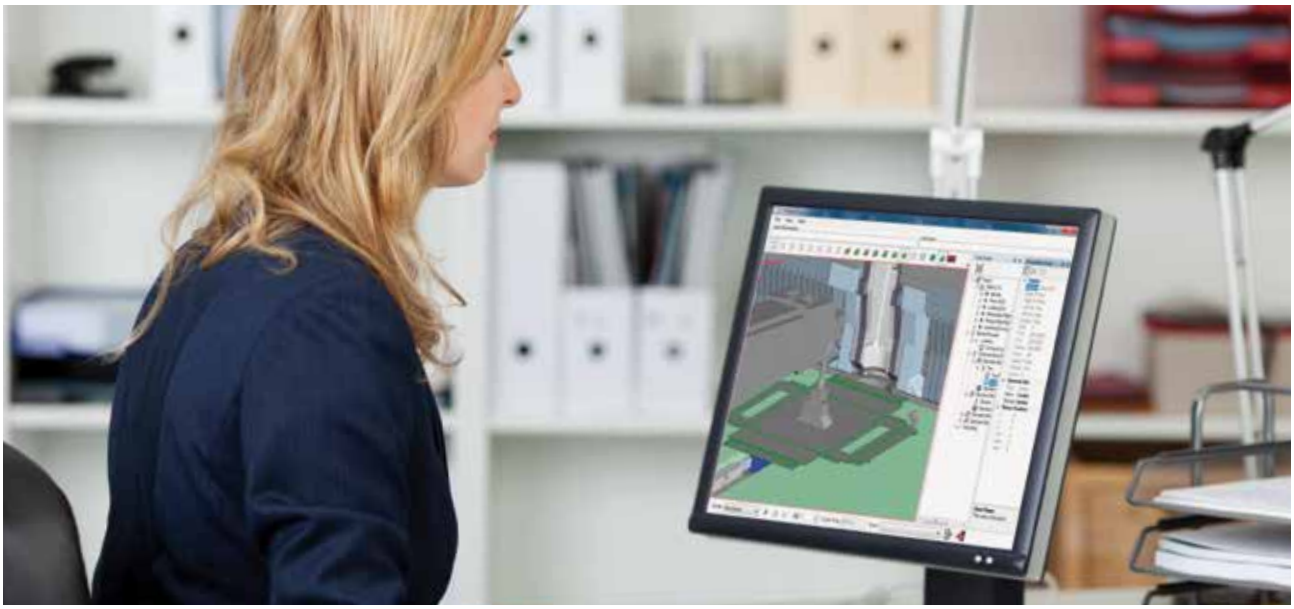
The loading, unloading and stacking robot LSR is a high-performance robot solution for material and part handling. LSR loads sheets to the machine and stacks finished workpieces onto stacking pallets. LSR offers accurate and efficient operation for material handling.

LIGHTS OUT AUTOMATION FOR 2D LASERS WITH LU AND LST

LU is a heavy-duty loading and unloading robot for 2D lasers. Loading and unloading robot LU automates the loading of raw material with a suction cup gripper to the cutting table of laser cell. Cut parts along with skeleton are unloaded with a fork construction. LU can handle materials up to 1000 kg.

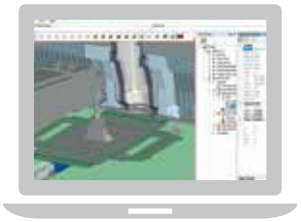
LST is a compact high-performance automatic stacking robot. LST picks the parts and sorts them to stacks to be used in the next process steps.

TheSOFTWARE



NC Express e³

From importing and unfolding 3D models to process ERP data, NC Express e³ is a scalable CAD/CAM that can be used for single-part processing or as fully-automatic batch processing. It supports all programming needs for Prima Power lasers & turrets.

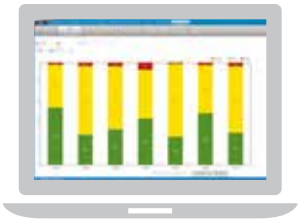


MASTER BendCam

Master BendCam programming system is a user-friendly, integrated tool for the efficient managing of Prima Power bending machines through interactive graphical techniques. Included 3D Simulation and collision check.

TULUS® CELL

Highly logical and modern user interface is easy to use. Tulus® is an integrated and scalable software family for centralized management of fabrication. It supports: automatic, high-quality part processing, fast tool setup, production follow-up, and parameter online editing.



TULUS® OFFICE

Tulus® Office is a powerful tool for work planning and for controlling the machine capacity. Easy schedule and follow up for machines and tasks, and also edit the task list on the fly, reporting options to provide Reports about Machine Perfomance and Production Process.

TULUS® POWER PROCESSING

Tulus® Power Processing makes the production process transparent and easy to manage. Power Processing acts as a Manufacturing Execution System that controls the whole production process.

INDUSTRY 4.0

Collection of smart machines and smart software connecting machines with central database, ensuring seamless production information flow.

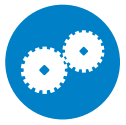
Prima Power Services: key to better productivity

We believe in long-term relationship with our partners, and we think that the real product we deliver to our customer is not just the machine itself, but the production capacity that our customer can achieve with our products and technology. The heart of Prima Power service is the common goal we share with our customer: start, maintain and develop the plant's production capacity and maximize it.
Our Service covers the whole life cycle of the system and technology and contributes to reach one goal: maximize the productivity and the profit for our customers.

REMOTE CARE
It is a service for the remote diagnostics and assistance. Skilled service engineers are available to operate remotely with the customer's CNC.

FIELD SERVICE
In addition to preventive maintenance, we offer high-quality corrective maintenance to guarantee fast recovery when there is a problem. With more than 12,000 machines installed in more than 80 countries, we are able to provide our customers the required assistance no matter where they are.

SERVICE AGREEMENTS
We continuously develop preventive maintenance plans for Prima Power machines. Maintenance visits are performed according to the task list specified for each machine type.



SPARE PARTS
Original Prima Power spare parts to guarantee full performance and prolonged durability.

CONSULTATION
Wide range of consultation services on machine operation, programming and maintenance.

UPDATES & UPGRADES
The modularity of the product range often allows upgrading of a machine or manufacturing system even years after the original delivery.

Next to you

Being global
Means understanding the needs, goals, and values of our customers wherever they are in the world; proposing the most suitable solutions to both emerging and traditional markets; and, together, providing real physical proximity to our customers' locations.

Getting closer
Expert advice, customization, after-sales and online support: building a true partnership with our customers to meet the latest market challenges. The most efficient, reliable and cost-effective solutions come from a real and constant collaboration with our customers.

Going green
The attention we pay to our customers' needs also extends to environmental sustainability, with advanced technological solutions that ensure a lower environmental impact.
This also means being at our customers' side, because a greener company is a more competitive company.

Contacts

Find your local Prima Power representative at primapower.com

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