

More than **5,000 systems** realized



PROMOT Automation boosts your success with the automation of machine tools.

Since 1980 we have specialized in the automation of machine tools for the metal cutting industry.

This is both our vision and our commitment.

We stand for the intelligent, fully automatic and reliable handling of workpieces, pallets and tools.

Regardless of machine type and brand, we always offer you the best solution, perfectly adapted to your production and logistics system.

More than 5,000 completed projects speak for themselves, because

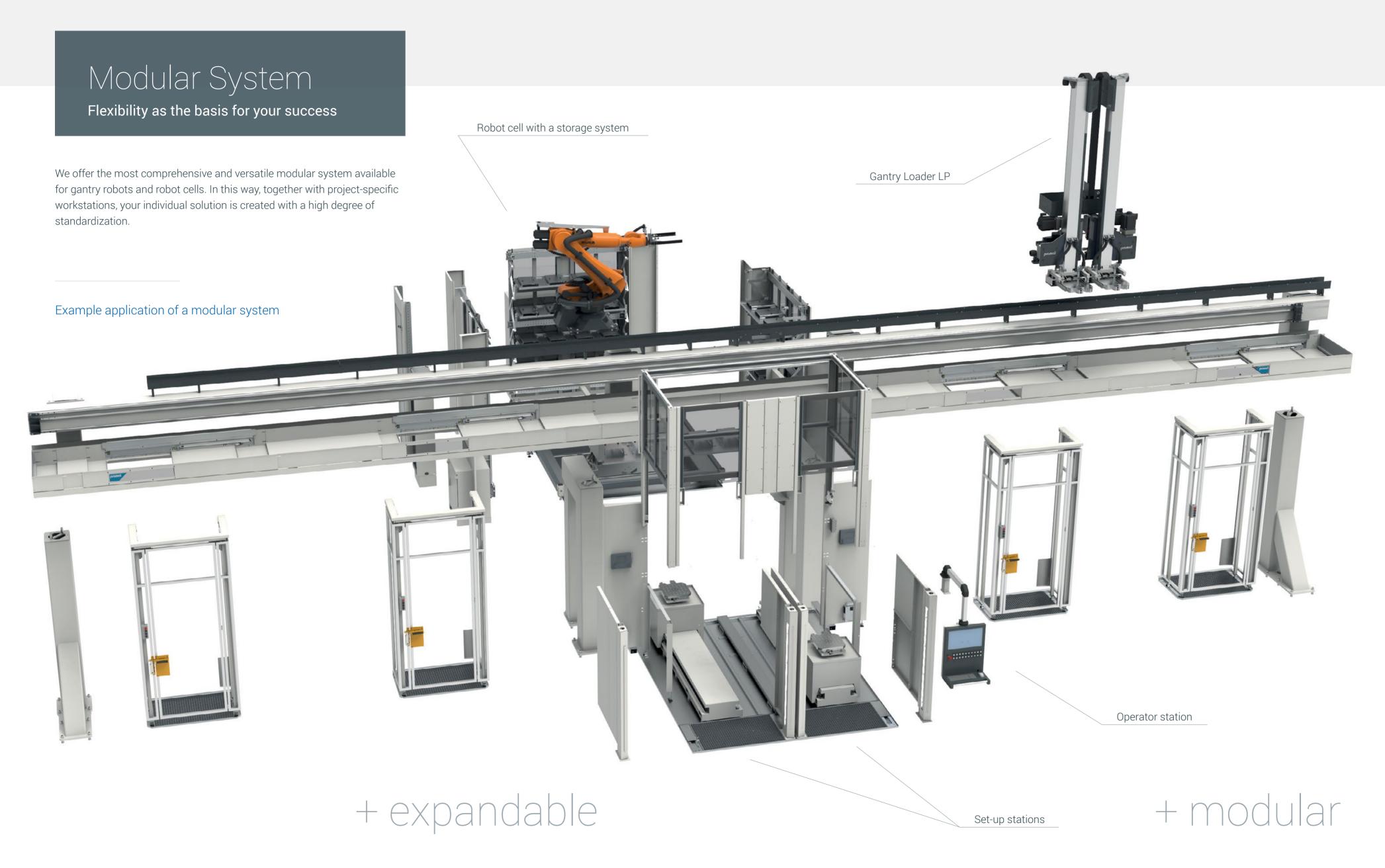
your success is our mission.

Table of contents

Image folder PROMOT Automation

pp. 4 - 5	Modular System
pp. 6 - 7	Workpiece Handling
pp. 8 - 9	Gantry Loader LP
pp. 10 - 11	Robot Cell RZ
pp. 12 - 13	Cellmaster CM
pp. 14 - 15	Material Flow Solutions
pp. 16 - 17	Pallet Handling
pp. 18 - 19	Palmaster RZ / RL
pp. 20 - 21	Palmaster SL
pp. 22 - 23	Toolmaster
pp. 24 - 25	Palmaster Prosys
pp. 26 - 27	References / Service & Support

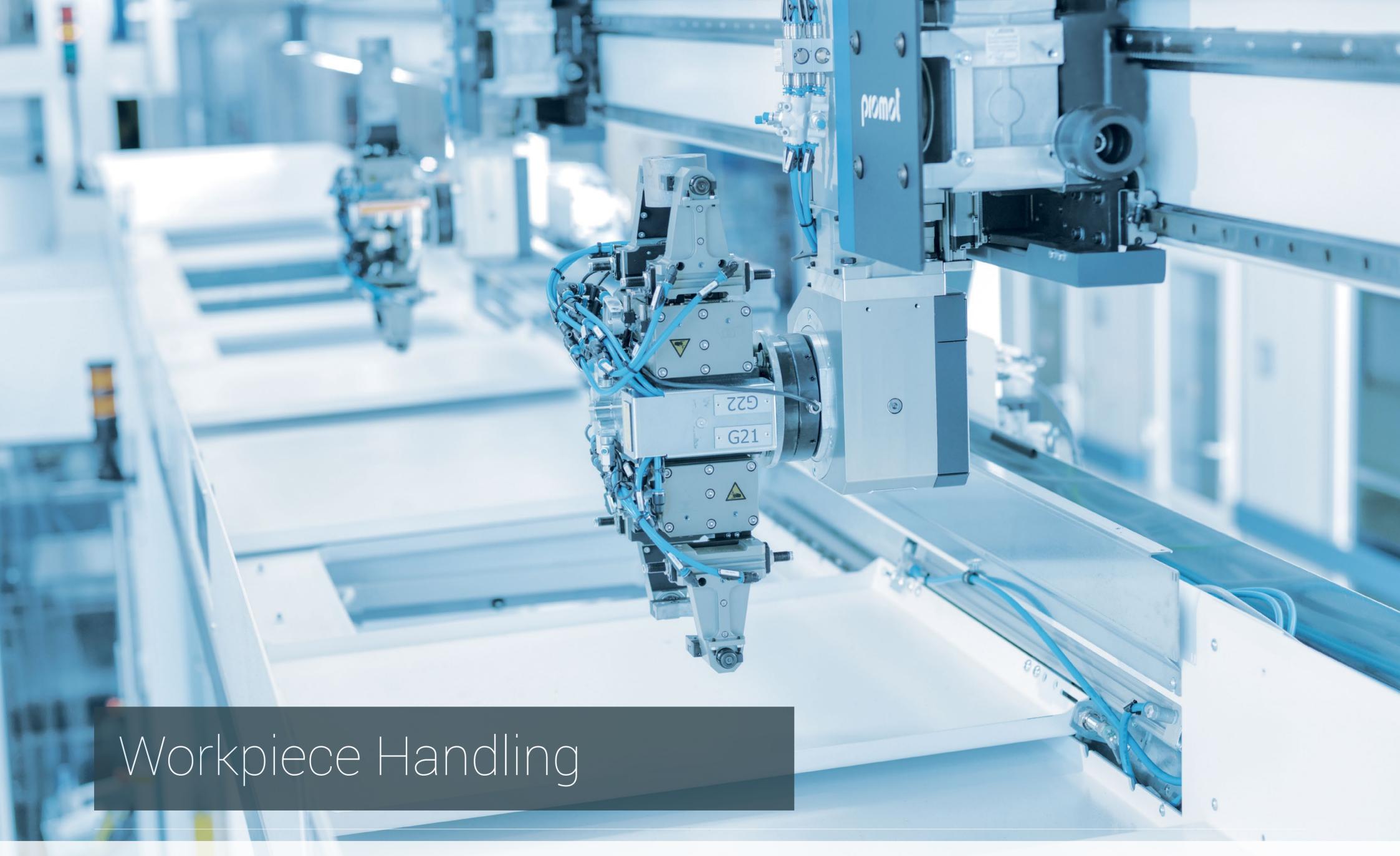
www.promot.at 3



+ scalable

+ standardized

4 RIGHT



Gantry Loader LP / Robot Cell RZ / Cellmaster CM / Material Flow Solutions

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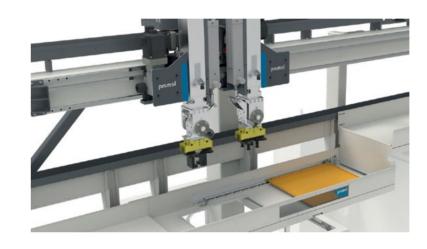


PROMOT gantry loaders are characterized in particular by the consistent modularization across all functional modules and weight classes. This allows us to focus on the respective system layout without having to reinvent the wheel for standard functions each time.

- ✓ Standard sizes LP1 to LP4 from 1 kg to 250 kg workpiece weight
- ✓ Low maintenance due to rack and pinion drive
- ✓ Shortest workpiece change times owing to high accelerations
- ✓ Reduction of noise pollution stemming from quiet drives and damped energy chains
- ✓ Fast installation on site due to the compact, modular design



Typical application of a Gantry Loader LP



Gantry with H-loader

The H-loader consists of two carriages and two vertical arms. This design is ideal for tight loading situations.



WS-UNI

The workpieces are stored on an indexing pallet conveyor WS-UNI. This is characterized by high variability and low set-up time and is therefore particularly suitable for small batch sizes.

Benefits of using a gantry loader



Custom-made solution based on configured, field proud and standardized modules.



Small footprint and excellent stability due to Finite Element Analysis (FEA).



Highest positioning and ride-off accuracy due to the high degree of rigidity.



Easy reusability of components during modifications due to modular design.

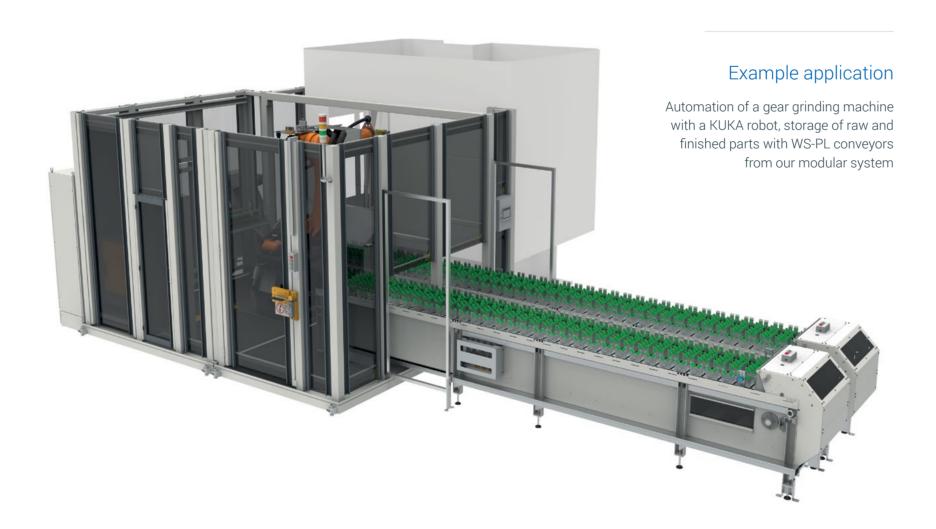
www.promot.at Workpiece Handling



PROMOT robot cells are based on the same modular system as our gantry robots. They also benefit from the well-proven modules, such as gripper assemblies and magazines.

All of our robot cells are equipped with a cell control system, which enables us to implement robot-independent, open interfaces and standardized control concepts.

- Standardized control concept
- Independent of robot brand
- Common modular system for gantry loaders and robot cells
- Identical HMI like our gantry loaders



Typical applications of a Robot Cell RZ



Robot cell with Cellmaster

Loading connecting rods into a grinding machine based on two robots and a Cellmaster CM stacking



Robot with combination gripper

This robot is ideally suited for handling several stations with different workpiece positions.

Benefits of using a Robot Cell RZ



for gantry loaders and robot cells – unique on the robot brand. market.



Common modular system Standardized control concept independent of



Consistent operating concept thanks to ProHMI 2.0 operating interface - 100% identical to our gantry loaders.



Modular design allows the robots and additional stations to be reused at modifications.

Workpiece Handling www.promot.at 11



No task is quite like another. As a modular system, the PROMOT Cellmaster CM can be adapted to meet any requirements. In addition to expansion modules for additional cells, various basket provisioning options are also available. Using a decoupling module makes it possible, for example, to change baskets during operation without creating any waiting time for the loading system. The modularity is not limited to the mechanics - the Cellmaster CM will adapt to your existing logistics systems with standardized software processes.

The following standardized software sequences are possible:

Standard sequence

- Single basket sequence
- Standard sequence with basket on the sliding guard for filling and emptying operations
- Single stack sequence
- Gap collection in the topmost basket



Example application

Standard stacking cell for wire baskets 400 x 600 mm with three chambers. The sliding guard allows uninterrupted operation with no downtime when changing stacks.

Typical applications of a Cellmaster CM



Standard configuration

The fully automatic Cellmaster is a standardized magazine that contains three stacks of baskets or pallets. This enables uninterrupted production. The Cellmaster makes the individual baskets available for handling in such a way that the workpieces can be unloaded.



Decoupling module

The Cellmaster with two basket trays on the decoupling module allows for uninterrupted production with very short cycle times. While working from one basket, the other basket can be changed simultaneously.

Benefits of the PROMOT Cellmaster



High degree of autonomy due to the stacking of workpieces.



Mechanical design and software modularly adaptable to your individual logistics and production processes.



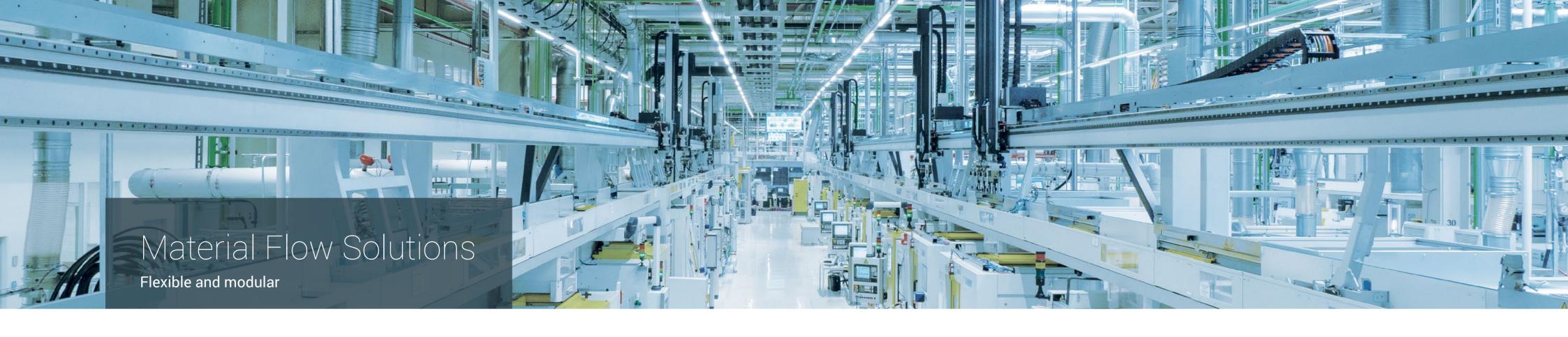
Quick reaction time to changing production requirements due to direct > 600 x 800 mm access to all stacking positions.



Dimensions:

- > 400 x 600 mm
- > 800 x 1,200 mm

Workpiece Handling



Starting with our standard solution, from the PROMOT Cellmaster automation cell and gantry systems to highly flexible, interlinked production systems, we offer you individual and highly flexible material flow solutions with different degrees of automation, all based on our modular system.







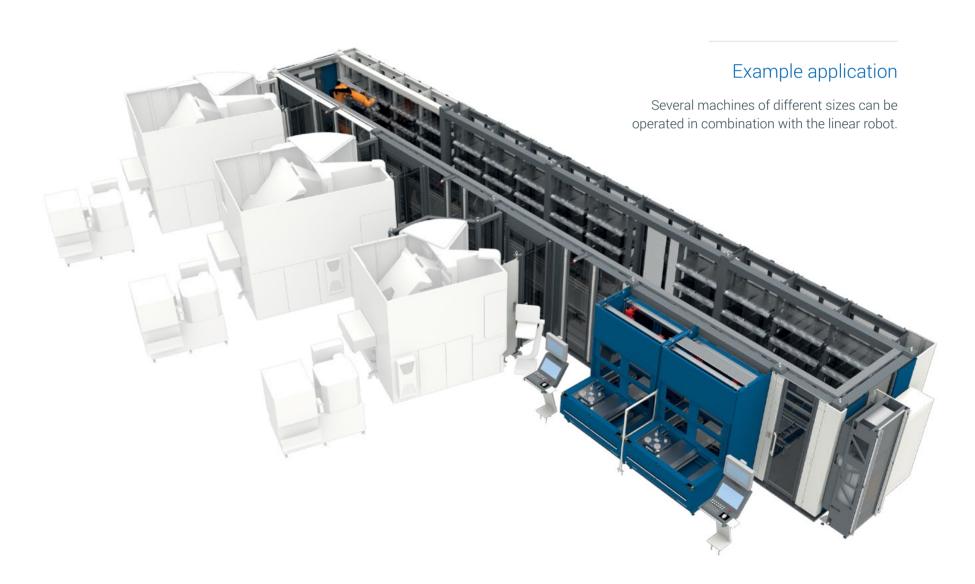
The Palmaster RZ is the perfect entry into automated parts production. Irrespective of the machine type and brand, the optimal system configuration is created to meet all of your production requirements.

- ✓ Pallet weights up to 400 kg
- ✓ Different pallet sizes in one system flexible storage possible
- ✓ Suitable for machines with or without pallet changer
- ✓ Double setup station for easy set-up from OP10 to OP20
- ✓ Maximized number of pallets with our modular system, depending on pallet size
- ✓ Prosys production control software for optimum order control



With our classic robot cell, a second machine can also be integrated afterwards.

The Palmaster RL combines the flexibility of a robot with linear axis. This creates space for a higher pallet capacity and enables the integration of several machine tools.



Benefits of the Palmaster RZ / RL



Use of different pallet sizes in one and the same system by flexible storage rack.



Low investment costs and higher productivity than with conventional production, thereby achieving rapid amortization.



Autonomous, unmanned operation over several shifts reduces the number of machine operators necessary.



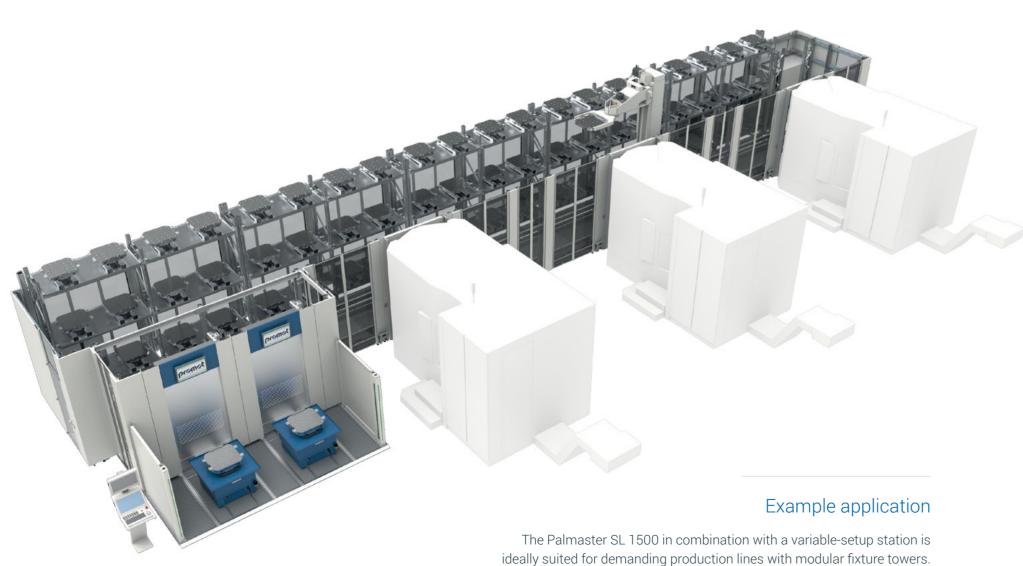
Realization of complicated machine loadings by using a 6-axis robot.

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The Palmaster SL is particularly suited to higher pallet weights. The swing arm loader is available in several sizes capable of handling from 400 - 1,500 kg as well as the storage rack.

- ✓ Pallet weight up to 1,500 kg
- ✓ Pallet size up to 1,000 x 1,000 mm, circle of rotation up to 1,250 mm
- ✓ Suitable for machines with or without pallet changer
- ✓ Optimum storage capacity due to different rack heights with our modular storing system
- ✓ Different setup stations possible with revolving door or as height-adjustable, Vario-setup station
- ✓ Prosys production control software for optimized job control



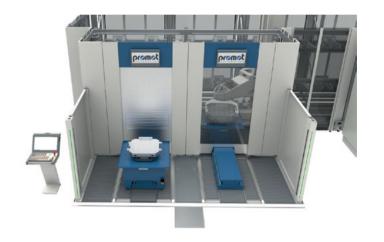
This allows several components to be produced on one pallet.

Palmaster SL - Variants



SL 400 with dual set-up station

The Palmaster SL 400 is particularly space-saving for lower pallet weights, especially in combination with the convenient dual set-up station.



The Palmaster SL 1500 with Vario-setup station

The Vario-setup station is particularly ergonomically designed. It is rotatable, height-adjustable, and accessible from 270°, thus making it the perfect solution for set-ups on high fixture towers or complex fixtures.

Benefits of the Palmaster SL



The Palmaster SL can handle significantly higher weights (1,500 kg) and larger pallets (1,000 x 1,000 mm) than the Palmaster RL.



The system can be extended at any time with the Toolmaster centralized tool storage system.

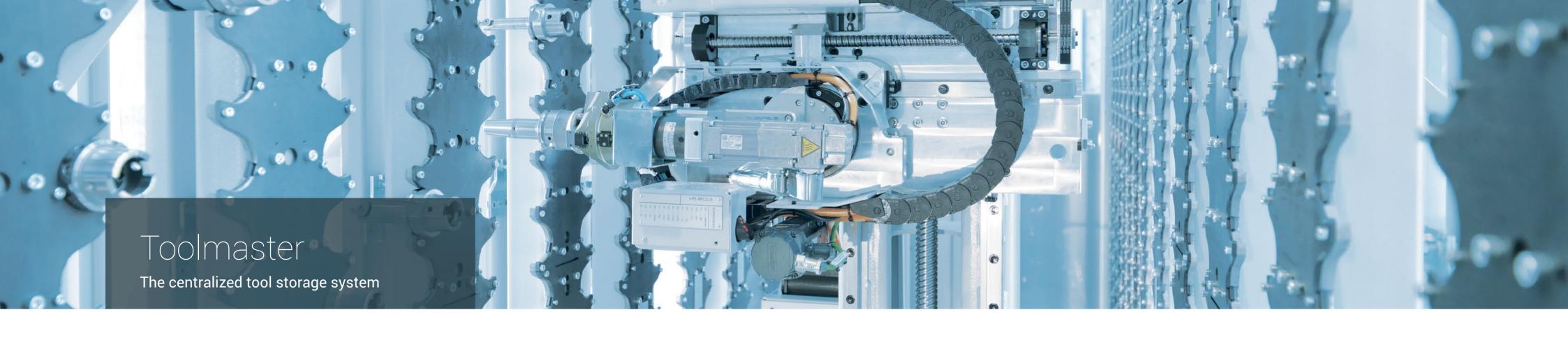


Various package heights can be realized in the storage system. This maximizes the overall storage capacity of the system.



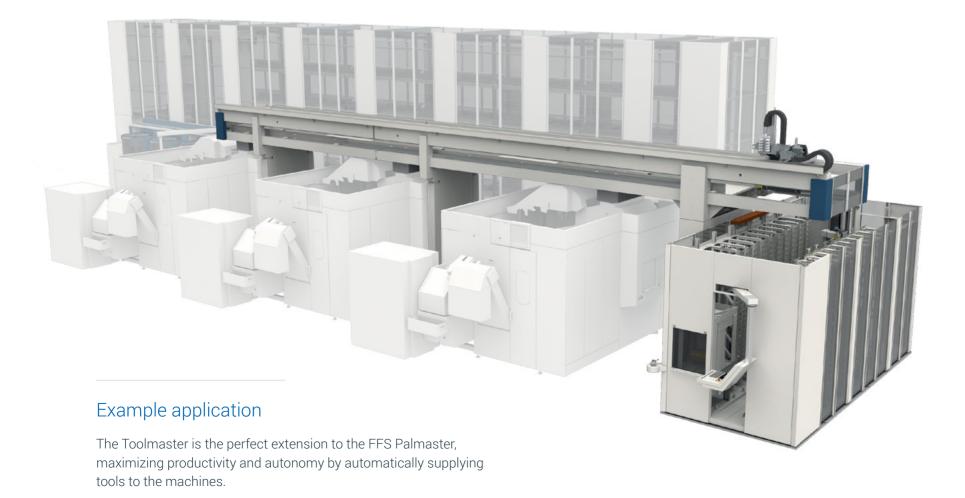
Easy, intuitive operation with the PROMOT software, Prosys, which can be adapted to your requirements.

www.promot.at 21



For unmanned production on several machines with small batch sizes, a large number of tools is required. The Toolmaster provides the machines with the right tools at any time.

- Storage capacity variable according to requirements (1,000 2,500 tools)
- Designed for different toolholder types (e.g. HSK63 or HSK100)
- Storage of different tool sizes in the centralized magazine
- Tool difference list of all missing tools for the tool pre-setter
- Subsequent integration of additional machines
- Reduction of the number of operators necessary by storing any number of twin tools
- Error-free data transmission using RFID technology



Toolmaster - Variants



Toolmaster with small area gantry

The PROMOT small area gantry allows the tool to be moved in all three axes. This makes it possible to solve difficult tool changes in the magazine of the machine tool.



Setup station with RFID data transmission

Up to five tools can be stored or removed simultaneously in the Toolmaster setup station. The data is conveniently transferred by RFID, and data changes can be made at the operating terminal at any time. The Prosys software automatically generates lists for tool life times, unused tools and much more.

Benefits of the PROMOT Toolmaster



Tool changes in the tool magazine are executed in parallel machining times of the machining center, so that the machining processing is unaffected.



Intelligent software control The centralized tool allows multiple tools to be used in different machines, reducing the total number of tools necessary.



storage replaces multiple tool stores. A centralized operating station for several machines simplifies internal processes.



The Palmaster and Toolmaster use a single software application with a common data base. This simplifies operation, reduces interfaces and increases the reliability of the overall system.

Pallet Handling www.promot.at



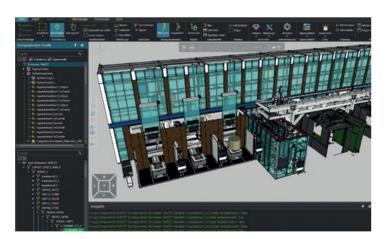
With our modular software, Prosys, numerous production strategies can be realized. Beside many others the following key features are available:

- ✓ Production / order planning
- ✓ Part administration
- ✓ Process management
- ✓ Pallet and pallet type management
- ✓ Fixture and fixture-type management
- ✓ Tool difference list including calculation of remaining life time
- ✓ NC program management

- ✓ Interface to ERP software
- Machine data acquisition
- Automatic display of setup documents and images
- ✓ Automatic versioning of NC programs
- ✓ SMS / E-Mail messenger system
- ✓ Ability to set various operator permission levels









Benefits of Prosys



Easy, intuitive operation with the PROMOT
Prosys software. Due to the server-client architecture several control points can be set up in the production area.



Adapted to your processes, Prosys continuously checks all resources necessary for production, such as pallets, devices, tools, raw materials and much more.



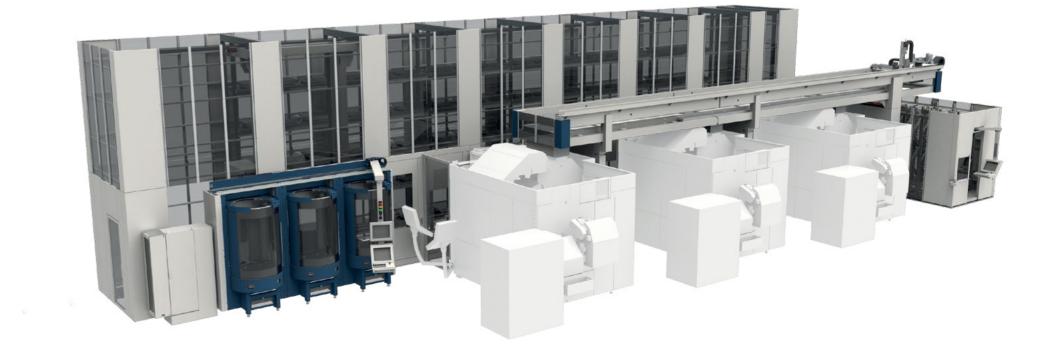
Regardless of machine type and brand, even with individual, customerspecific interface solutions, the user interface is always the same.



With Prosys, different batch sizes, multiple setups, as well as article-, process- or pallet-oriented production operations are possible and can be controlled either manually by the operator or automatically by the software itself.

Palmaster FFS

The Palmaster FFS creates the largest possible storage capacity by making optimum use of room height. The pallets and fixtures are stored in a fully automatic high-bay warehouse. Pallets are handled by a stacker crane for transport weights of up to 2,500 kg. Due to their modular design, both the high-bay warehouse and the stacker crane can be optimally adapted to the spatial conditions.



4 Promot Pallet Handling www.promot.at

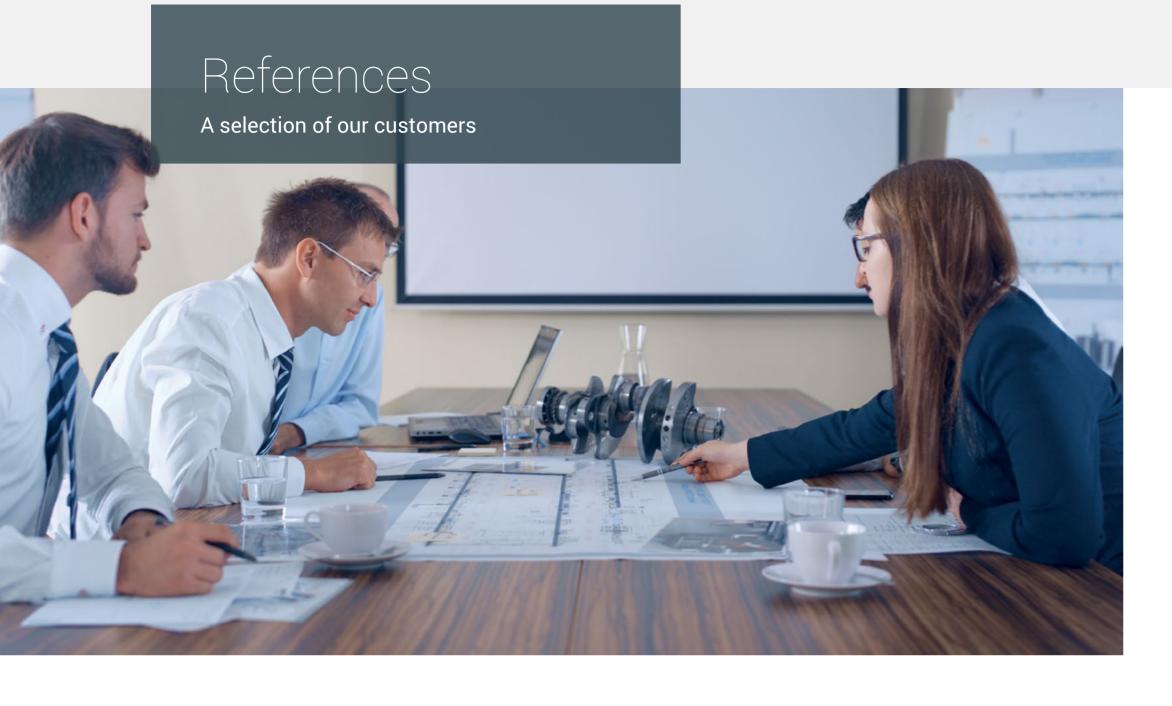


ABB Haidlmair Rosenbauer SAF Holland Airbus Group Hirschvogel Atlas Copco Hoerbiger Scania Husky SEW Audi BMW Ingersoll Rand Siemens SKF John Deere Boge Borbet Krones Skoda Still Bosch Linamar

Testfuchs Claas Linde

Thyssenkrupp Presta Continental LUK

Daimler Magna Trumpf Dräger MAN Vibracoustic

FAG Voith Miba

Fendt MTU Volkswagen

Volvo Feuer Powertrain Opel

Georg Fischer Pankl Weber Maschinenbau

GetragFord Welser Profile Plansee

ZF GKN Pöttinger

Service & Support

We are there for you



Hotline

Whether you are having mechanical problems, software malfunctions or operator questions, our hotline is there for you with our competent and experienced staff ready to handle all your concerns.

Availability: Mon - Fri: 7am - 5pm



Pro-Serv

PROMOT's Pro-Serv(ice) offers maximal availability and response time.

	Pro-Serv Advanced	Pro-Serv Professiona
Availability:	Mon - Fri: 6am - 10pm	Mon - Sun: 24hrs,
	Sat: 6am - 2pm	round the clock
Response time:	24hrs	



Spare parts

For smooth production like on original PROMOT spare parts. We are glad to support you, from ordering to the installation of your spare parts, with competent and experienced technicians.

Benefits of using original PROMOT parts:

- competent order processing
- best access fast delivery

Contact us at:

spareparts@promot.at



Service contracts

With service contracts we guarantee you optimal support for PROMOT services. In addition to better planning of the services to be carried out, a service contract makes a major contribution to the best OEE. Thanks to the modular structure of our service contracts, we can put together the perfect package with an optimal price/performance factor just for you.



Conversions and Retrofitting

True to the motto, "There is nothing that cannot be improved", we welcome the opportunity to support you with any kind of conversion. So, stay up to date! Let us optimize your plants for you and help boost your productivity and flexibility.

Typical conversion work:

Setting up new parts, integrating new machines, and process optimization of any kind.

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