



INJECTION INTELLIGENCE



Headquarters Austria



EXPERTS SINCE 1970.
Best practice for the future.

MAPLAN is a leading producer of elastomer injection moulding machines and an expert in 360-degree system solutions for the semi- and fully- automated production of rubber and silicone products. MAPLAN has stood for expertise and reliability since 1970. Using the latest industry technology, we constantly drive product development and optimise our production methods. In this way, we ensure that we stay ahead of the pack when it comes to the newest technology.

Advancement through
innovation & sustainability

Our customers benefit both from MAPLAN's technological prowess, as well as our individualised approach to customer service. MAPLAN develops and manufactures technology to produce elastomer moulded parts - from simple rubber moulded parts to high-quality precision parts. We build high-end systems for companies that operate in a challenging, ever changing sector. Together with our customers and partners, we develop tailor-made product solutions. As such, we are responsible for that crucial competitive advantage which sets our customers apart in a future-oriented market.

Success through **innovative** methods

MAPLAN guarantees efficient processes, because we know that time is money. We believe that innovation in injection moulding technology means pursuing all possible avenues in order to optimise production processes that are in-line with the latest technological standards. This goes for our in-house production methods as well as for the production processes of our customers.

Focusing on what is important

This is just one of the reasons why innovative Lean Line Production has been introduced at the MAPLAN Headquarters. Lean Production always goes hand in hand with increased efficiency and waste reduction - whether internally or on the part of suppliers and customers. Optimised machine quality can only be guaranteed by optimum manufacturing conditions. Our systems are the proverbial proof in the pudding of this way of thinking.



**INGENIOUS CONTROL UNIT - WYSIWYG | OPTIMAL
PROCESS ENGINEERING | HIGHEST ENERGY EFFICIENCY
ATTRACTIVE DESIGN | FAST & FLEXIBLE | DURABLE**

System solutions with a **PLUS+**

MAPLAN - More than ever

What if it were possible to operate elastomer injection moulding machines in the same way as they do now, but with less power and resource consumption? This is no longer a dream but is now a reality: MAPLAN machines increase productivity and reduce energy consumption with proven success. In addition, our technology helps make your employees' workload easier and more efficient to produce the best products for your business. We offer several MAPLAN+ benefits in comparison to conventional injection moulding technology.

More productive with efficient processes?

MAPLAN's modern technology is used in order to make production processes as cost-effective as possible. Our technology makes it possible to create versatile ways in which to optimise the production process according to the individual requirements of our customers:

- ⊖ Minimal pressure loss with the ultra-precise MAP.fifo injection unit
- ⊖ Higher flexibility and productivity with modular MAPLAN automation solutions
- ⊖ MAP.commander C6 controller enables maximum process optimisation

Economical with innovative solutions

- ⊖ Higher process speed and increased traverse speeds guaranteed
- ⊖ Long life-time through proven and tested technologies and high quality components
- ⊖ Most compact footprint on the market: up to 50 percent less space required on the production floor
- ⊖ Modular design allows solutions for all requirements and budgets
- ⊖ Attractive, cost-effective standard models

We do the **hard work** for you

- ⊖ Maintenance-friendly design: Sophisticated door systems allow easy accessibility
- ⊖ Many models - ONE control unit: MAP.commander C6 with comprehensive standard functions for the intuitive and easy control of all MAPLAN machines

In-time with optimal processes

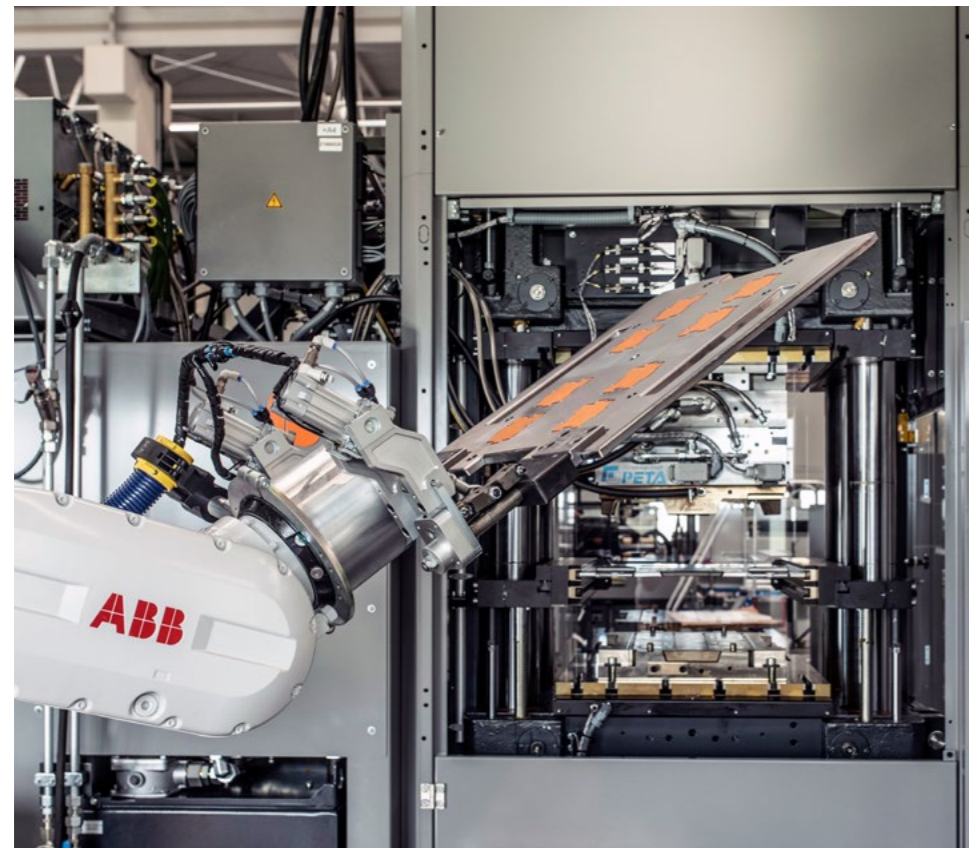
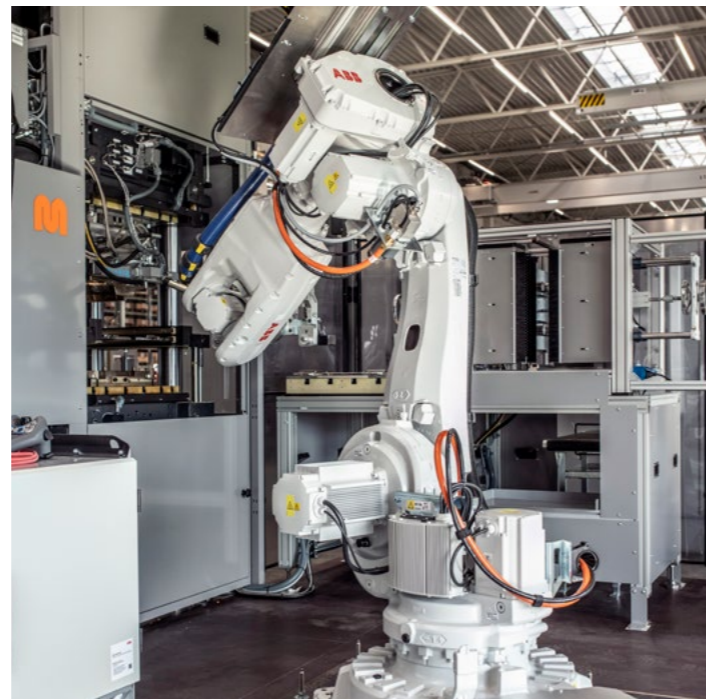
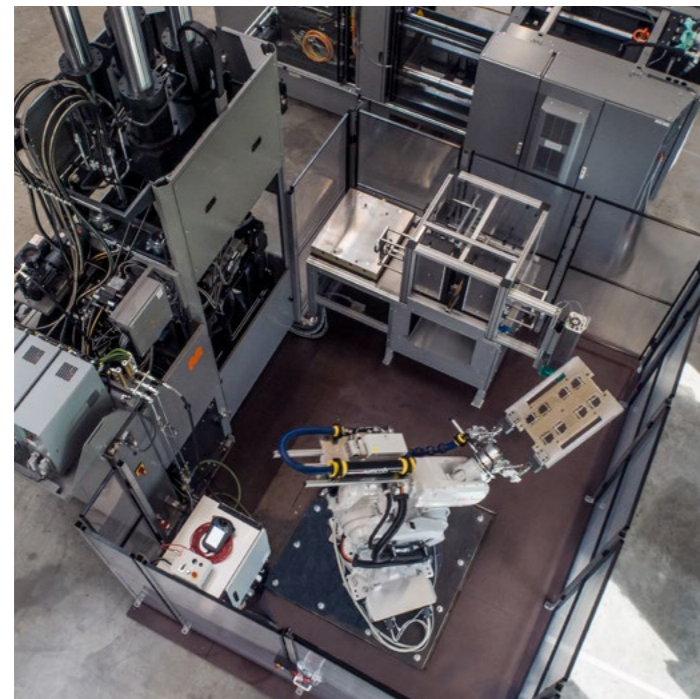
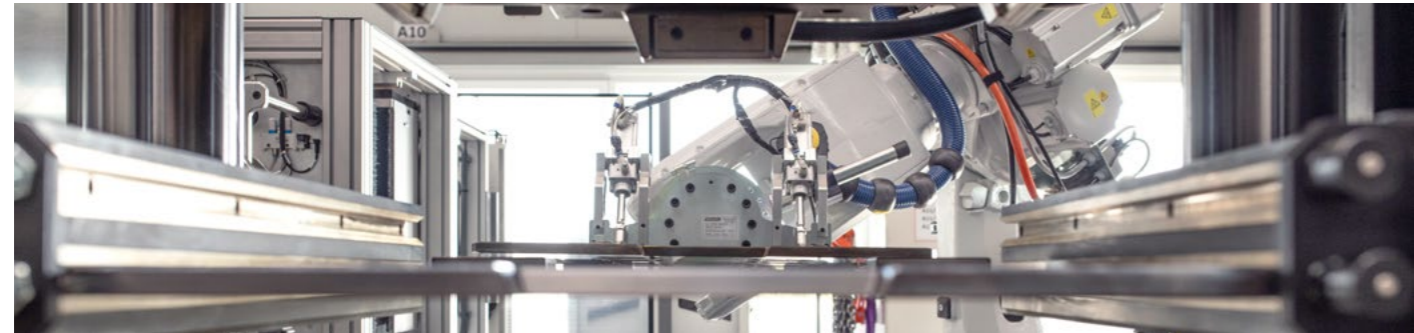
- ⊖ In-time production with high process accuracy:
 - High process accuracy guarantees excellent part quality, fast production and minimum rejects or waste
- ⊖ Easy-to-use technology for experts:
 - Large processing window, best possible repeat accuracy, outstanding repeatability, optimum shear heating and therefore minimum cure time – with the original: MAP.fifo injection unit
- ⊖ Minimum process fluctuations: MAP.commander C6 visualises processes and makes monitoring easy

Energy-efficient & resource-conserving production

- ⊖ Energy-efficient & resource-conserving production=> Produce energy-efficient & resource-friendly
- ⊖ MAP: cooldrive servo-drive: up to 50 percent less power consumption and no oil cooling required
- ⊖ MAP.fifo injection unit: Significantly less material wastage during cleaning or compound changes
- ⊖ MAP.dci: Intelligent, consumption-dependent control of the temperature control units
- ⊖ The most quiet machine on the market: Silent, comfortable operation with MAP.cooldrive

Clever solutions for smart manufacturers

- ⊖ Higher productivity with the access to 'Industry 4.0' and digitisation
- ⊖ Control of robotics, automation solutions and external peripheral devices with one controller: MAP.commander C6
- ⊖ Data export for MES and BDE systems: with Euromap77 interface and OPCuA data protocol



System Intelligence

360° turnkey solutions tailor-made in-house in collaboration with our customer

Based on your specifications, MAPLAN creates a perfectly coordinated interplay of injection moulding machines, options and automation components. In doing so, we rely on our expansive automation portfolio, which includes everything from simple plate handling systems to linear or multi-axis robots.

High-quality system components are combined to form an effective production cell. The tailor-made MAP.autocell thus takes over the entire production process of your products - ranging from component feed-in to production to further processing. All components are operated centrally via the MAP.commander C6 machine control system.

You benefit from a single point of contact. The MAPLAN team ensures a professional and smooth collaboration.



Moulds



Robotic solutions



Cold runners

High **quality** production

MAPLAN injection moulding machines are used across the world in the following industries:

AUTOMOTIVE | **ALTERNATIVE ENERGIES** | RAILWAY TECHNOLOGY
SANITARY SYSTEMS | MEDICAL TECHNOLOGY **CONSTRUCTION, GARDEN & ELECTRICAL** | FURNITURE & OFFICE SUPPLIES | **HOUSEHOLD & APPLIANCES** | OIL PRODUCTION | **AEROSPACE** | SAFETY TECHNOLOGY
EXCELLENCE MATTERS - HIGH QUALITY PRODUCTIONS
and many more!

The following process technologies are the standard:

IM	Injection Moulding
ITM	Injection Transfer Moulding
2K-IM	Dual Compound Injection Moulding
IC / OMI	Injection Compression / Open Mould Injection
CM / TM	Compression Moulding / Transfer Moulding



Horizontal, Vertical or C-Frame?

In any case a MAPLAN machine

Certain designs are best for specific applications and manufacturing processes. With over 40 models across all ranges, MAPLAN offers a versatile portfolio with something for everyone. With several clamping systems and optional features, we can supply the ideal production system that suits your needs perfectly.

Horizontal

Efficient: With various demoulding devices such as brush systems

Productive: Perfect for producing precise small parts in large quantities

Versatile: Large clearance width and closing stroke for a wide variety of mould designs

Specialised: For large series in fully automatic production with minimum personnel requirement.

Vertical

Modular: Wide range with a variety of clamping and injection units available

Productive: Can be enhanced with the addition of robotics, automation solutions, peripheral devices

Versatile: Injection from the top, bottom or 2k (dual compound)

Specialised: Ideal for products with inserts, e.g. rubber-metal articles

C-Frame

Ergonomic: Good working height and ideal accessibility from 3 sides

Versatile: Injection possible from top or bottom

Specialised: Ideal for producing corner connections and smaller batches

Presses

Simple: No injection unit

Specialised: Ideal to produce products which cannot be produced by injection moulding and small series of large-volume and/or large-area products



Vertical

Precise & versatile at the **highest level**

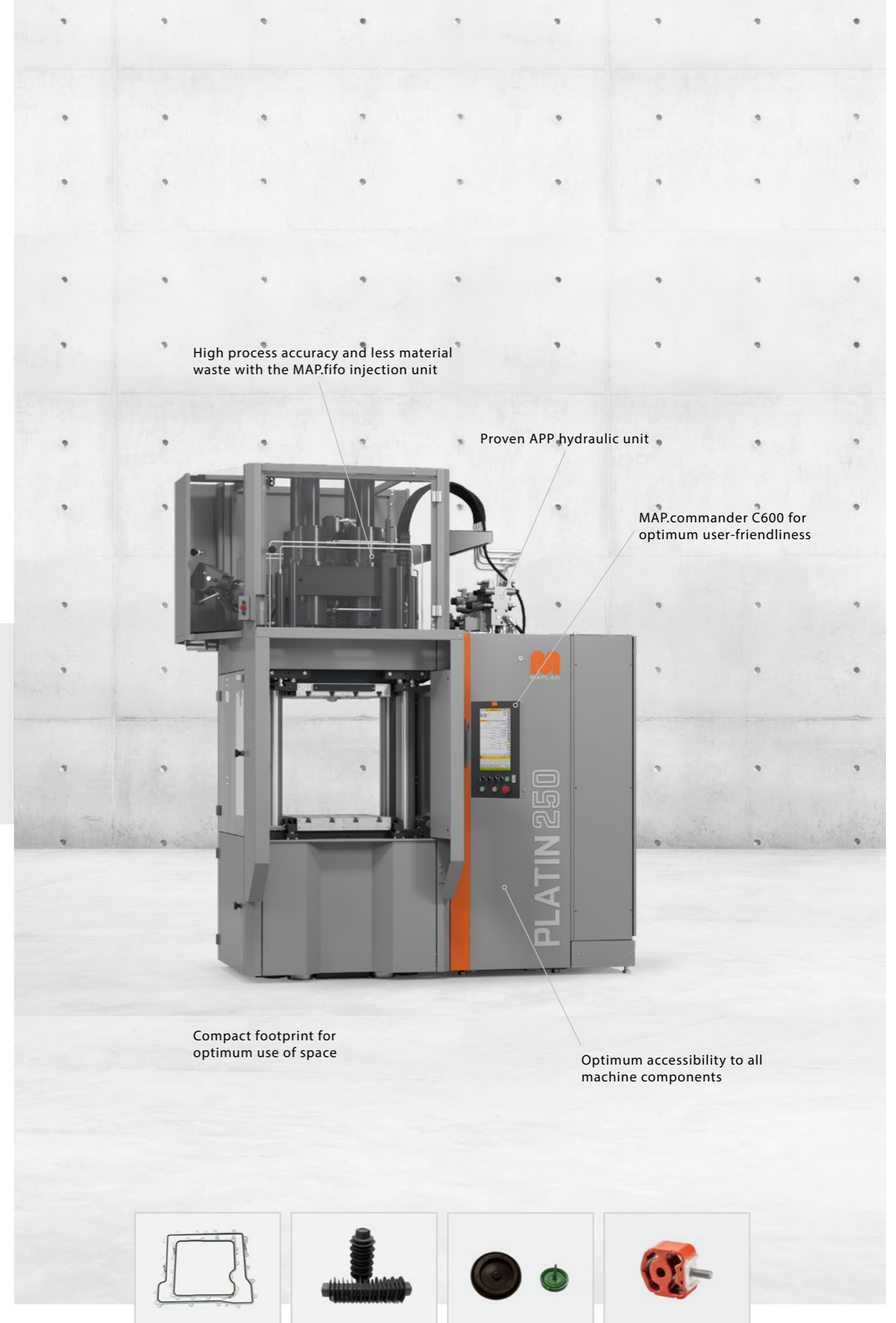
Come prepared for a variety of applications with the help of the vertical **PLATIN⁺** injection moulding machine in the basic model from 160 to 460 tons. The vertical MAPLAN **PLATIN⁺** injection moulding machines are designed to suit a variety of requirements and impress with their optimised repeatability. You can also take advantage of numerous MAPLAN⁺ benefits with the **PLATIN⁺** series.

Highlights

- ⓪ Most compact footprint in its category on the market
- ⓪ Particularly cost-effective
- ⓪ MAP.commander C600 for optimum user-friendliness
- ⓪ With reliable axial piston pump drive
- ⓪ Combines functionality with attractive design

Models:

TYPES	CLAMPING FORCE [kN]	INJECTION VOLUME [cm ³]	HEATING PLATE DIMENSION	
			[Standard mm]	[Maximum mm]
PLATIN ⁺ 160 / 180	1600 / 1800	200 – 2600	450 x 510	535 x 560
PLATIN ⁺ 250 / 280	2500 / 2800	200 – 2600	560 x 650	670 x 650
PLATIN ⁺ 250 / 280 XL	2500 / 2800	200 – 4000	560 x 780	670 x 780
PLATIN ⁺ 400 / 460	4000 / 4600	700 – 8500	710 x 800	820 x 810
PLATIN ⁺ 400 / 460 XL	4000 / 4600	700 – 8500	710 x 1200	820 x 1200



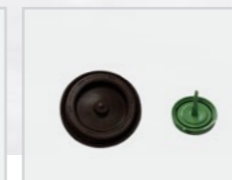
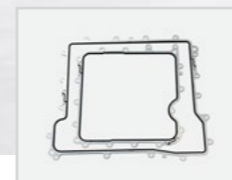
High process accuracy and less material waste with the MAP.fifo injection unit

Proven APP hydraulic unit

MAP.commander C600 for optimum user-friendliness

Compact footprint for optimum use of space

Optimum accessibility to all machine components



Horizontal

Efficient for new standards of economy

Powerful and fast - the horizontal **RAPID⁺** injection moulding machines from MAPLAN are designed for high speeds and automated processes. They support all common demoulding and automation concepts for fully automatic production, thereby significantly reducing personnel costs. A true all-rounder with a proven track record.

Highlights

- ① Generously dimensioned clamping unit with extremely high stiffness and parallelism
- ① Large daylight and closing stroke for a wide range of mould designs
- ① Optimised for the processing of difficult technical elastomers
- ① Various demoulding devices and brush systems available
- ① Post-processing-free production of sealing elements and moulded articles possible
- ① Cold runner ready
- ① Comes with all MAPLAN⁺ benefits

Models:

TYPES	CLAMPING FORCE [kN]	INJECTION VOLUME [cm ³]	HEATING PLATE DIMENSION [Standard mm]
RAPID ⁺ 200	2000	200 – 1000	510 x 510
RAPID ⁺ 300	3000	200 – 2600	670 x 670
RAPID ⁺ 400 / 460	4000 / 4600	700 – 4000	875 x 875
RAPID ⁺ 650	6500	4000 – 8500	1000 x 1100
RAPID ⁺ 800	8000	4000 – 8500	1000 x 1100



MAP.motion: Self-optimised movement of the clamping unit - for faster set-up of the optimum process sequence

Optimum temperature distribution due to edge strip insulation and isobars

Intuitive operation with the MAP.commander C6 controller

Faster cycle times thanks to highly dynamic MAP.cooldrive unit

Ideal use of space - possible to integrate up to 6 heating/cooling units



Vertical

The new size

We are pushing boundaries when it comes to size, precision and processing quality with the help of our new vertical **ERGOMAX⁺** series, whether in the fully or semi-automatic production of elastomer articles. The entire **ERGOMAX⁺** series comes equipped with our energy-saving servo-hydraulic MAP.cooldrive as well as our high-precision MAP.fifo injection unit.

Highlights

- ⊖ Ergonomic operating height despite larger machine
- ⊖ Flexible adjustment for different tool heights
- ⊖ Optimally adaptable to customer specifications
- ⊖ Can be enhanced with MAPLAN automation and robotics concepts
- ⊖ Cold runner ready
- ⊖ Comes with all MAPLAN⁺ benefits
- ⊖ Maintenance-free platen parallelism for a life time

Models:

TYPES	CLAMPING FORCE [kN]	INJECTION VOLUME [cm ³]	HEATING PLATE DIMENSION [Standard mm]
ERGOMAX ⁺ 460 / 490	4600 / 4900	1500 – 8500	710 x 800
ERGOMAX ⁺ 570	5700	3500 – 17500	810 x 1000
ERGOMAX ⁺ 720	7200	6000 – 17500	900 x 1000
ERGOMAX ⁺ 900	9000	10500 – 17500	1100 x 1350



MAP.fifo ergo injection unit with all FIFO-advantages and ergonomic intake height

High platen-parallelism for optimum tool support

Functional diversity with the MAP.commander C6 controller

Multiple synchronised ejectors

Low operating height with increased clamping force



C- Frame

Providing **maximum accessibility** to the working area

Our tried and tested vertical **EASY+** C-frame injection moulding machines are compact, perfectly suited to produce specific rubber articles, including moulded corner joints and small batches, and are available in clamping forces ranging from 20 to 100t.

Different machine concepts can be implemented depending on the intended application: **1. Top** – Injection from the top, closing from the bottom **2. Bottom** – Injection from the bottom, closing from the top **3. Top Top** – Injection and closing from the top - with fixed lower plate. The unique design of this machine truly comes into its own when connecting elastomerprofiles or especially automated processes. Optionally available: 85cm³ and 150cm³ injection units for TPE processing.

Highlights

- ⊖ Intelligent one-piece design with very small footprint
- ⊖ Ideal accessibility from 3 sides
- ⊖ Ergonomic working height
- ⊖ Many options available
- ⊖ Simple operation with the MAP.commander C600 control unit
- ⊖ Comes with many MAPLAN+ benefits

Models:

TYPES	CLAMPING FORCE [kN]	INJECTION VOLUME [cm ³]	HEATING PLATE DIMENSION [Standard mm]
EASY+ T 30	300	50 – 250	255 x 255
EASY+ T 40	400	50 – 250	255 x 255
EASY+ T 100	1000	50 – 400	500 x 400
EASY+ B 30	300	100 – 200	255 x 255
EASY+ B 40	400	100 – 200	255 x 255
EASY+ TT 20	200	50 – 200	300 x 300
EASY+ TT 30	300	50 – 250	300 x 300



Vertical

The foundation for large-size sealings

MAPLAN's new large-scale machine series with vertical clamping unit - ideally suited for producing large- dimensioned and high-performance gaskets, e.g. for e-vehicle battery boxes.

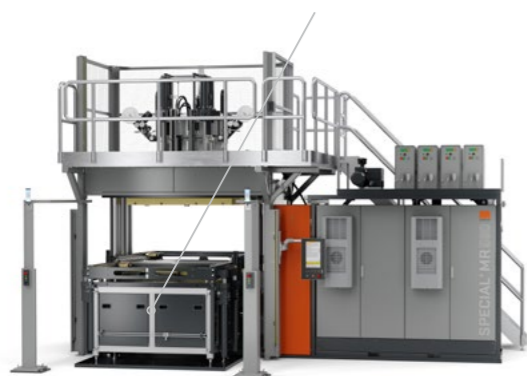
- ① Huge platen sizes realized by strong machine design, currently built with 4 clamping cylinders. This enables platen widths of up to 2500mm.
- ① Optional 2nd MAP.commander C6 control panel for easy operation on both sides of the shuttle device.
- ① Ergonomic working height and excellent accessibility for this large-size machine
- ① Different injection units which can be combined from very small (200ccm) to very large and dual-compound (2K)
- ① **Maximum precision in the part quality:** exceptional powerful machine design combined with ultimate injection accuracy
- ① Extensive automatization and options portfolio: shuttle devices, heating plate shifting etc.

Rubber moulding in a new dimension

MAPLAN's new large-scale machine series with vertical clamping unit - ideally suited for producing large- dimensioned and high-performance gaskets, e.g. for e-vehicle battery boxes.

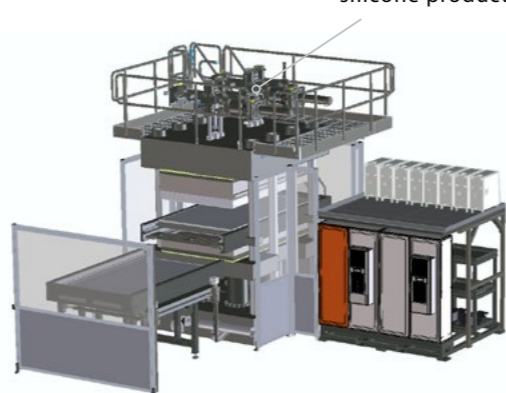
Twin-Ram

Fast double-shuttle for very fast cycle times



Quattro-Ram

Prepared for rubber and silicone production



Vertical

Two compounds - two solutions

With MAPLAN's dual compound technology, two elastomer compounds can be injected sequentially, simultaneously or with a timed delay. This allows for new techniques in the production of high-tech articles with special geometry or special mechanical properties.

Top MAP.fifo injection unit



MAP.fifo injection unit

2K Splitline

- ① One injection unit from the top, one injection unit horizontally from the side
- ① Versatile, as it can also be used as a single compound machine
- ① Different configurations of the second injection unit possible

2 Top MAP.fifo Injection units



2K Top

- ① 2 injection units from the top
- ① Same footprint as a single compound injection moulding machine
- ① Available with up to three hydraulic drives for faster processes

The **intelligence** of the MAPLAN machine

MAP.commander C6 - Control intelligence

MAPLAN machines are known for their fundamental consistency, their user-friendly interface design and the versatility of their settings to configure and simplify the production process. The latest version of the intuitive touchscreen interface between user and machine boasts a 30 percent faster touch response time compared to its predecessor. With only one basic control and operation method, all MAPLAN models can be operated in the same way. The MAP.commander functions as the central unit: no matter the upgrade level - from the smallest and simplest machine to the high-end system with full automation.

Increased efficiency through individualisation

- ⊖ Drag & drop cycle configuration for up to five parallel sequences
- ⊖ MAP.logicmoves: Freely programmable control of external equipment
- ⊖ Valve gated cold runner: up to 32 valve gates individually controllable
- ⊖ MAP.motion: Self-optimising movements of the clamping unit / ejector

Secure access and data

- ⊖ User-specific rights system
- ⊖ Archiving of cycle configuration, process parameters and alarm protocol

Prevention is better than cure

- ⊖ Diagnostic display features traffic light system and targeted operator guidance in the event of an error
- ⊖ Alarm system with help function
- ⊖ Maintenance program recommends maintenance activities

MAP.advanced package

Do you always use your machines to their fullest potential? With the MAP.advanced package you can visualise your injection process in order to determine the best possible process and guarantee the highest part quality.

- ✓ Process graph / injection graph
- ✓ MAP.limit envelope curves
- ✓ Plasticising graph
- ✓ Trend graphs

C6000
21" Touchscreen



- Automation
- Real-time data
- Control
- Monitoring
- Robotics solutions
- Customisation
- Remote maintenance

For optimised processes & Increased efficiency



Hot key menu:
24 (20) freely programmable keypads
Quick access to all essential machine functions

C600
15" Touchscreen

Be Connected

The advantages of networking and digitisation speak for themselves. Industry 4.0, which is sadly often only used as a buzzword, promises real advantages when it comes to production, planning, control and maintenance. In order to take full advantage of these benefits, MAPLAN production cells and machines can be connected to server systems to deliver production data to MES or BDE systems.

- ① All MAPLAN machines with MAP.commander C6 control are **network-ready**
- ① **Plug & Play:** Save access to every machine after connection
- ① **Remote access** for authorized users at any time & from any location (VPN)
- ① **Real-time** control of production progress – or documentation through log files and reports
- ① Integration into higher-level **ERP systems**
- ① **Central documentation** of processes and recipes
- ① MAP.mes: Extensive MAPLAN interface for MES systems based on OPCuA protocol
- ① MAP.mes77: Standardised interface to industry 4.0 features provides data for MES systems: Monitoring, statistics, support, remote maintenance, etc.

Regardless of whether in the standard 15" or luxurious 21" design: both function according to a simple operating concept, which makes even the most complex processes understandable and transparent. Due to the web based HTML5 technology, the MAP.commander software can be accessed from any other device such as a laptop, iPad etc. in the user's chosen language with personalised access rights. This gives the user remote access to the machine settings and data. With appropriate configuration and access rights, the user is even able to intervene in the process remotely. There is no risk of conflict between machine operators and external access.



Sophisticated MAPLAN Technology

MAP.fifo | The original

The key advantages offered by the **MAP.fifo** injection unit invented by MAPLAN lie in its unparalleled performance, system accuracy and the design simplicity. The **MAP.fifo** is available in three versions: the classic **MAP.fifo**, the **MAP.fifo ergo** with easily accessible strip intake and the **MAP.fifo flex** with removable nozzle for different immersion depths into the tool.

- ⊖ Very short nozzle with minimal pressure loss
- ⊖ High-precision repeatability
- ⊖ Wide processing window
- ⊖ Very little residual material from injection to injection
- ⊖ Easy maintenance and cleaning
- ⊖ Particularly fast material change

MAP.cooldrive | Economical and quiet

The intelligent servo-hydraulic **MAP.cooldrive** drive system automatically adjusts the engine speed during the production cycle to the current power requirement.

- ⊖ Up to 50 percent energy savings
- ⊖ Noise emission reduced by more than 50 percent
- ⊖ No consumption in standby mode
- ⊖ No external oil cooling necessary
- ⊖ Extremely dynamic movements
- ⊖ Low maintenance
- ⊖ Long service life

MAP.dci | Demand control intelligence

MAP.dci allows for demand-oriented control of the flow rate and intelligent controlling behaviour, resulting in significantly lower power consumption than conventional temperature control units.

- ⊖ Up to 80 percent less energy consumption
- ⊖ Demand control accuracy significantly improved
- ⊖ Significant noise reduction

MAP.fifo original



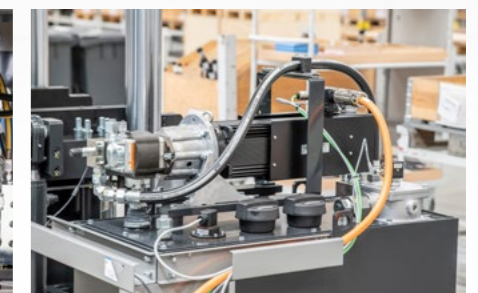
MAP.fifo ergo



Heating plate insulation



MAP.dci



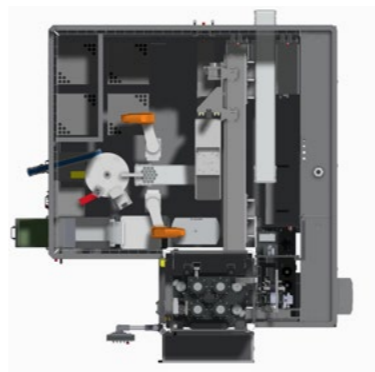
MAP.cooldrive

Higher productivity through automation

MAP.autocell – A genuine trendsetter Flexibility creates competitive advantage

Together with our cooperation partners, MAPLAN offers a wide range of automation solutions for process optimisation and increased efficiency during the production process. Depending on the requirements, handling systems and flexible robots are the perfect upgrade for conventional automation technology in the injection moulding industry. They enable reliable, cost-effective and more efficient production. Robots perform a variety of tasks during the production cycle:

- ⊖ Placing inserts into mould plates
- ⊖ Removal / demoulding of moulded articles
- ⊖ Plate change
- ⊖ Past-process steps
- ⊖ and much more



MAPautocell in combination with ERGO 460 injection moulding machine

Turn your horizontal RAPID+ into a fully automatic production cell

Our robust brush systems for automatic demoulding and cleaning are among the most effective automation options for horizontal injection moulding machines. They enable the fully automatic production of all free-falling articles such as O-rings, sealing elements and moulded articles.

- ⊖ Cost-effective automation solution
- ⊖ Single or double brush design
- ⊖ Up to three vertical units possible
- ⊖ Precise demoulding processes due to rigid design
- ⊖ Many possible configurations: Spraying and blowing devices, ejector plates or gripper systems
- ⊖ Individual cycle configuration of movements
- ⊖ Full integration in the MAPcommander C6 including diagnostics
- ⊖ Fast, precise movements through servo-drives

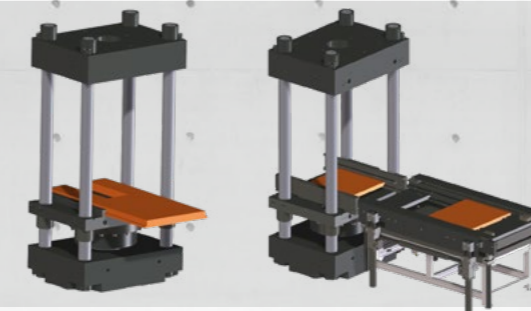


Brush system on vertical servo-axis

Optimise your processes

MAPLAN offers a wide range of multifunctional automation modules for process optimisation and shortened cycle times.

- ⊖ Modular automation kit
- ⊖ Increase the productivity and energy efficiency of your facility
- ⊖ Fast and precise movements thanks to efficient servo-drives
- ⊖ MAPautocell: Individual solutions for fully or semi-automatic production
- ⊖ Centralised control system of all components with MAPcommander C6
- ⊖ Additional components can be easily integrated into the cycle configuration
- ⊖ Integration into the visualisation, diagnostic and alarm system

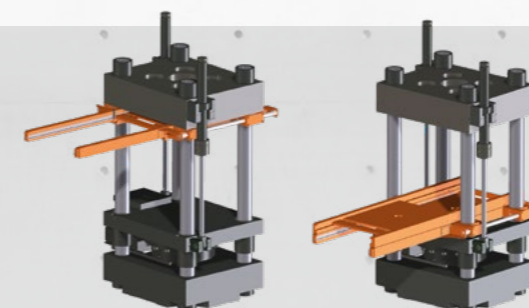


Heating plate shifting

Heating plate changing

Heating plate shifting / changing

- ⊖ Heating plate shifting enables improved ergonomics
- ⊖ Increased output through exchanging the heating plates (two lower mould halves).



Frame shifting
1 Plate

Frame changing
2 Plates

Frame shifting / changing

- ⊖ Cost-effective solution for centre plate exchange or shifting
- ⊖ Manual or hydraulic



External ejector

Sprue removal device

Middle plate change

- ⊖ Increased output using two centre plates
- ⊖ Increased productivity through synchronised change of centre plates



Accelerated productivity

- ⊖ Elimination of sprue (runners) and therefore reduction of manual work
- ⊖ Increasing the number of cavities leads to a higher output with same mould size
- ⊖ Well suited for automated moulding processes and use of robotics

Economical advantages

- ⊖ Significantly reduces rubber wastage resulting in cost savings.
- ⊖ Less rubber to buy, mix and store
- ⊖ Pay-back can be realized very quickly, especially with high cost compounds

Better quality

- ⊖ A better and more stable process improves the part quality
- ⊖ Improved physical properties with lower moulded-in stress
- ⊖ Uniform cavity filling through simple balancing of the cold runner nozzles

Up to
80%
rubber waste
savings!

MAP.crb models:

MAPLAN provides various coldrunner systems for a variety of applications. Each system with its individual advantages can be optimally adapted to the particular production process. Our project team is ready to support and advise you.

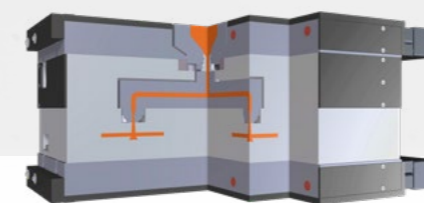
Increase your profitability

MAPLAN coldrunner systems

Growing raw material prices, rising disposal costs and constant cost pressure forces companies to constantly improve their performance and to produce in an environmentally friendly way. MAPLAN uses intelligent technologies to ensure maximum performance, productivity and profitability in elastomer processing. For this reason, we offer various coldrunner systems to guarantee our customers particularly high efficiency in the production of rubber and elastomer articles. With the appropriate use of cold runner systems many advantages compared to hotrunner systems emerge for the producer:

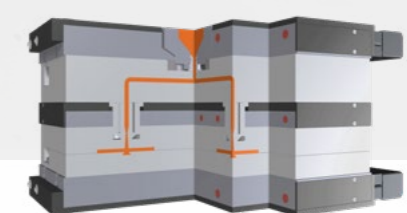
MAP.crb slim

- ⊖ Slim design
- ⊖ Quick installation
- ⊖ Minimal wear parts
- ⊖ No coldrunner heating-plate required
- ⊖ No machine daylight extension necessary



MAP.crb solid

- ⊖ Optimal heating performance
- ⊖ Heating plate can be uncoupled for stop over
- ⊖ Upgrade to MAP.crb solid+ with comfortable, manual individual nozzle adjustment available



Partnership right down the line

Service with intellect and insight

We at MAPLAN are known for our remarkable customer service. What sets us apart in this regard? A high level of technical know-how, years of experience, short response times and effective communication. We are there for our customers, we understand their problems and we find solutions! We see our customer-supplier relationships as partnerships.

The worldwide MAPLAN service branches across numerous European countries, the US, Mexico and China all guarantee our level of customer service through trained technicians and engineers.

- 🕒 Hotline for immediate troubleshooting
- 📦 Commissioning & machine relocations
- 🔧 Repairs & Refurbishing
- 📅 Maintenance and service contracts

Original MAPLAN spare parts

We keep over 90 percent of all MAPLAN original spare parts available in stock. As soon as the order is received, it is dispatched immediately, and with express delivery if requested. With high quality MAPLAN original spare parts you can trust in the availability of your machines.

MAP.easyparts: Individual 3D spare parts catalogue for every machine

- 🕒 Quicker to the part: Simple, visual search for spare parts on a digital 3D model of the machine
- 📦 No incorrect orders due to MAPLAN order number being visible on the selected part
- 📄 Simple forwarding of the order information

Preventive Packages

MAPLAN recommends the following three preventive packages to ensure a high availability of your machinery:

1. MAP.firstaid

Comes with the most important small parts that ensure smooth production and avoid unnecessary machine downtimes.

2. MAP.care

All the parts your service team needs to carry out regular maintenance.

3. MAP.care+

MAP.care package including sensors, probes, insulation boards, heating elements, etc.

MAPLAN maintenance contracts

Do you always have an eye on your machinery? Inspections enable the early detection of potential production breakdowns and their causes. In this way, machine failure and consequential damage can be avoided. Maintenance contracts also enable better planning of service intervals, increase the availability of the machines and reduce the risk of delivery delays.

A MAPLAN maintenance contract includes the examination of the following aspects and areas:

- 🕒 Functional check
- 📦 Safety devices
- 🔧 Electric & hydraulics
- 📄 Plasticising and injection unit
- 📄 Clamping unit and ejector systems
- 📄 Lubrication
- 📄 Options, if available on the machine

Training: Turn your employees into experts

Deepen the technical knowledge of your employees to make sure you are getting the best out of your MAPLAN machines. The combination of know-how and optimisation offers real added value for practical implementation. We offer a wide range of training courses from straight forward seminars for operators and engineers to individual coaching sessions.

- 🕒 User training – BASIC
- 🕒 User training – ADVANCED
- 🕒 Service & maintenance
- 🕒 Rubber technology

- 🕒 Set-up & sampling of moulds
- 🕒 Process Optimisation - Basics
- 🕒 Individual coaching for process optimisation



Immediate help from the expert

MAP.remote maintenance

The remote diagnosis package MAP.remote offers the benefit of immediate assistance without needed on-site service engineers. This is not only practical, but also saves costs and emissions!

Video transmission via MAP.eye camera

With the MAP.eye, the process or service engineer is fully aware of the current state of the machine and can access all machine parameters and provide the necessary instructions for solving the issue over the phone.

Secure

- ① Two-factor authentication
- ① Powerful VPN network
- ① Professional data centre for fast data transfer
- ① IPsec protocols & AES 256 bit encryption

Make it easy

- ① Access is independent of time and location
- ① MAP.eye online camera: Video transmission via MAP.eye camera
- ① Remote configuration possible
- ① Always up to date: Updates can be installed remotely

Save time & money

- ① Immediate assistance from the service or process engineer
- ① Increase machine availability
- ① No onsite engineer needed, therefore no travelling costs involved



International MAPLAN-network

HEADQUARTERS

AUSTRIA
MAPLAN GmbH
Maplan-Strasse 1
2542 Kottlingbrunn AUSTRIA
T +43 2252 790 909
office@maplan.at

SUBSIDIARIES

CHINA
MAPLAN (Changchou) Rubber Machinery Co; Ltd
Building 1. No.377
Wuyi Rd, Wujin Hi-Tech Zone
Jiangsu Province CHINA
T +86 158 52 55 55 67
sales.cn@maplan.at

FRANCE
MAPLAN
2574, avenue des Landiers
73000 Chambéry FRANCE
T +33 4 79 96 31 02
office@maplan.fr

GERMANY
MAPLAN Deutschland GmbH
Gottlieb-Daimler-Strasse 66
71711 Murr GERMANY
T +49 7144 89737 3
office@MAPLAN-germany.de

USA / CANADA / MEXICO
MAchinery + PLANning Inc.
1655 North Lancaster Road
South Elgin, IL 60177 USA
T +1 630 924 0100
office@MAPLAN-usa.com

AGENTS

BENELUX
T +31 30 656 04 12
info@maplan.nl

BRAZIL
T +55 11 5522 9022
comercial@geromaq.com.br

BULGARIA
T +359 32 96 93 95
info@diltech.bg

COLOMBIA
T +57 1 600 7762
luis.pinto@textilnets.com.co

CZECH REPUBLIC
T +420 606 614 505
petr.smid@smid-a-spol.cz

FINLAND
T +46 35 155955
christian.hiljemark@battenfeld.se

GREAT BRITAIN
T +44 1452 722733
mapmanuk@aol.com

GREECE & CYPRUS
T +30 210 485 4000
panayiotis.marinis@rigas-engineering.gr

HUNGARY
T +36 1 4369095
mate@thege-plastic.hu

IRAN
T +98 21 444 55 123
M +98 912 288 0 745
tecsystempars@yahoo.de

ITALY
T +39 0363 853209
sales2@state-art.it

MALAYSIA
T +603 3291 0388
kjim@rics.com.my

NORWAY
T +46 35 155955
M +46 70 5916134
christian.hiljemark@battenfeld.se

PORTUGAL
T +351 939 015 390
vasco.ramos@maplan.at

SPAIN
T +351 939 015 390
vasco.ramos@maplan.at

SWEDEN
T +46 35 155955
christian.hiljemark@battenfeld.se

TURKEY
T +90 (312) 473 50 28
info@ergu.com.tr

RUSSIA
OOO Kneader
T +7 (495) - 640-83-88
philippk@list.ru

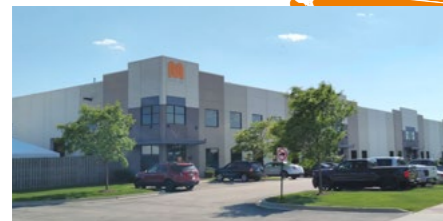
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The SOULIER Group is divers and a reliable partner: from the planning, implementation, and management of large real estate projects to the worldwide production of rubber injection moulding machines and modern, sustainable modular construction buildings.

www.soulier-group.at

MAPLAN Worldwide



South Elgin / USA

South Elgin has been home to MAPLAN's new North American base since 2018. Machine conversions for all MAPLAN machine types are carried out at this site in order to complete the refurbishment in a competent, rapid manner. The full functional range of MAPLAN technology can be viewed during demonstrations in our own technical center.



■ HEADQUARTERS | SUBSIDIARIES

■ SUBSIDIARIES

■ SUPPORTED THROUGH HEADQUARTERS



Chambéry / France

For more than 30 years, our team based close to Lyon oversees and supports the French market in sales and customer care. Our local spare parts warehouse and fast 24h response times complete the perfect client and after-sales service.



Murr / Germany

Our powerful German team collectively provides more than 200 years of experience. In one of the most important markets in the industry, our friendly and capable specialists are always available for our customers to guarantee instant support.



Headquarters / Austria

In 2016, MAPLAN invested twelve million euros in a new production facility including office buildings in the Kottlingbrunn eco-plus business park. With the new plant, production was also newly structured and converted from single workstation production to lean production.



Wujin / China

In 2017, a MAPLAN production site was opened in the high-tech industrial park in Wujin. With an operational size of 4,000m², the plant has a capacity of over 200 machines each year. The location in the greater Shanghai area provides an ideal infrastructure, since numerous customers and suppliers are based there.



Malacky / Slovakia

Since 2018, MAPLAN is represented by its own plant in Malacky, Slovakia, where control cabinets are produced. The production of metal and metal sheet parts was expanded, and the assembly of components started.





MAPLAN (Changzhou) Rubber
Machinery Co; Ltd | Building 1. No.377 | Wuyi Rd,Wujin Hi-Tech Zone | Jiangsu Province CHINA
+86 158 52 55 55 67 | Sales.cn@maplan.cn
www.maplan.at

MEMBER OF SOULIER GROUP