

SML

**extrusion lines –
engineered to perform**

JMP2

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Once we accept our limits,
we go beyond them.

Albert Einstein

extrusion lines – engineered to perform



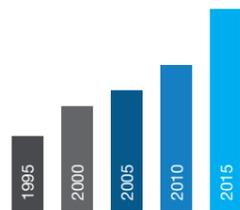
At SML we believe in quality, innovation and advanced technology for securing the lasting success of our customers. With this in view, we develop exceptional, high-performance extrusion solutions that create clear productivity leadership.

We have pursued these beliefs for more than twenty years as an independent, privately owned company and the resultant success represents pleasing confirmation of the probity of this approach. We have grown in step with our clients and by means of convincing performance have been able to both repeatedly capture new markets and win over additional customers. SML has thus established itself as a partner for increased productiveness. A positioning that we represent today and tomorrow will develop to an even greater extent.

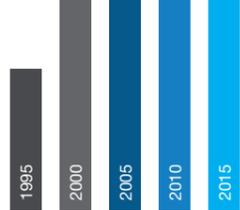
A handwritten signature in blue ink that reads "Karl Stöger". The signature is fluid and cursive.

Karl Stöger, Managing Director

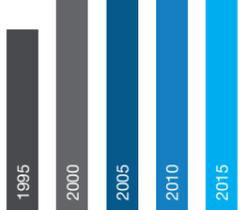
► **What makes us successful as a privately owned company?**
 Competences that enable our partners to open up a decisive lead.



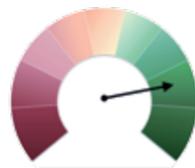
Workforce numbers since 1995
+ 200 %



Sales revenue development since 1995
+ 400 %



Production area growth since 1995
+ 200 %



Creditworthiness index Dec. 2015
Top Rating

Tailor-made engineering.
 Inspired by your productivity.

As a privately run company located in the heart of the "Salzkammergut" region of Upper Austria, during the past two decades we have compiled a wealth of development competence with the aim of giving our customers the technical edge in the market.

Our growth speaks for itself and makes us a strong partner for all those companies seeking to attain enhanced performance by means of top technology. Indeed, over the years nothing has changed with respect to one basic fact. Namely that only further development in step with the times can result in exceptional and entirely convincing products which inspire our customers day by day.

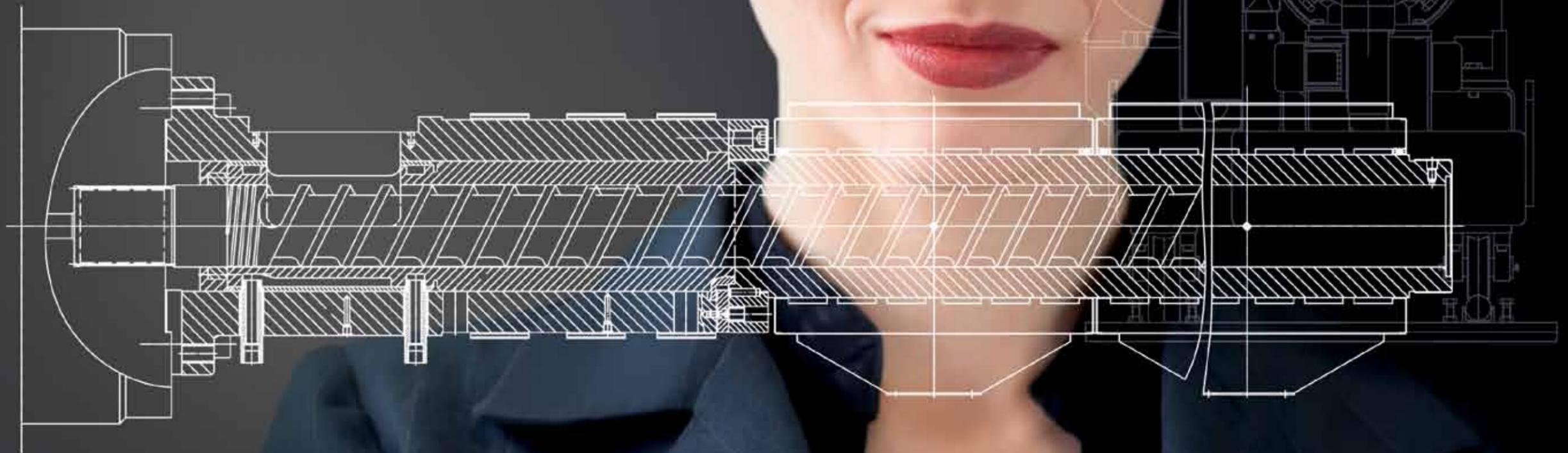


Peter Huemer
 Majority shareholder



Angelika Huemer
 Shareholder

▶ **A company that has a constant focus on the productivity of its customers thinks ahead. And creates extrusion solutions that leave the rest standing.**



Tailor-made engineering.
Inspired by your productivity.

► **Maximum productivity is no accident.**
It stems from leading specialists for high-performance extrusion solutions.

SML

Our clients know that SML stands out due to first class, customised technology, top equipment quality and allround, optimised service. For over twenty years we have been designing and manufacturing high-performance extrusion solutions that have repeatedly enabled our customers to set new production standards.

We specialise in the development of extrusion lines for film, sheet, coating and lamination as well as multifila-

ment spinning lines. We also create holistic and reliable concepts for our customers and support them when realizing complex products. For only those that understand their clientele and its products can supply extrusion solutions that in everyday operation are capable of fulfilling their initial promise to provide high-performance for increased productivity.

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Inspired by your productivity.



► **cast film lines**

Page 12

SML offers a wide selection of cast film lines, to meet the needs of a dynamic and rapidly changing market to perfection.



► **sheet lines**

Page 16

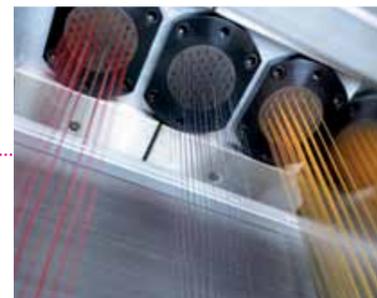
SML sheet lines guarantee high output in combination with outstanding product quality and low energy consumption.



► **coating lines**

Page 20

These high-performance solutions, which are customised to meet individual coating requirements, make a decisive contribution to SML's leading market position.



► **spinning lines**

Page 24

SML not only offers an extensive range of spinning lines, which answers all current market requirements, but with its unique machine designs also sets new benchmarks.



► **winding technology**

Page 28

SML's multifaceted winder portfolio demonstrates clearly that it is far more than just an extrusion specialist. Our engineers continually design winding techniques that ideally match individual needs and are characterised by maximum precision.

▶ cast film lines

We make customer wishes come true.

What yesterday was still cutting edge technology may well become merely standard by tomorrow. Therefore, at SML we push back the frontiers of feasibility and together with our customers create fresh and innovative concepts that are then transformed into reality. We also continue to progress and thus remain constantly one step ahead. As a result, SML's cast film lines number among the most adaptable in the world.

- ▶ LINES FOR STRETCH WRAP FILM
- ▶ LINES FOR HYGIENE BACKSHEET
- ▶ LINES FOR CPP / CPE / CAST-PET / BARRIER AND MONO-ORIENTED FILM



Tailor-made engineering.
Inspired by your productivity.



MasterCast® Stretch Film Extrusion Line

► **The result of our competence.**
The world's largest machine
of its type.

Tailor-made engineering.
Inspired by your productivity.

SML's MasterCast® line is a globally unique system with a working width of 6 metres and installed extrusion capacity of up to 5,000 kg/h.

Innovative engineering and the design of key components such as high-speed extruders and novel, patented winders help our customers to achieve a successful position in the hotly contested stretch film market.

▶ sheet lines

Efficiency in top form.

The high efficiency level of a sheet line is determined by moderate investment costs in combination with reduced energy consumption, simple operation and minimum maintenance expense. And that's exactly what we offer. High-performance solutions. Irrespective of whether you wish to manufacture films for trays, cups and lids for the food industry, or establish fresh output benchmarks in the pharmaceutical industry, medical, blister packaging, or optical film segments, SML is pleased to offer advice as to how you can design your production with even greater efficiency.

- ▶ HIGH-PERFORMANCE CLASS SHEET LINES
- ▶ ECONOMY CLASS SHEET LINES
- ▶ BARRIER SHEET LINES



Tailor-made engineering.
Inspired by your productivity.





▶ **The secret of precision.
Our special roller technology.**

The combination of high-performance extruders and special roller technology enables us to manufacture premium products at a first class price. Apart from high production

performance, SML also offers winding techniques that are superior to conventional systems and thus set new precision standards.

Tailor-made engineering.
Inspired by your productivity.

Lines for thermoformable sheet

▶ coating & laminating lines

Complexity reduced to a productive denominator.

Our extremely versatile, high-speed coating processes establish benchmarks in both branches with large output volumes and small series production with frequent product changes. Typical end users are converter industry companies and manufacturers of flexible packaging for the foods and hygiene sectors. But, SML also plays a leading role in other important market segments, supplying laminate producers for the construction industry and companies specialising in woven or knitted textile fabrics or companies engaged in sensitive coatings.

- ▶ EXTRUSION COATING AND LAMINATING LINES
- ▶ WOVEN FABRIC EXTRUSION COATING LINES
- ▶ EXTRA-WIDE EXTRUSION COATING AND LAMINATING LINES
- ▶ DOUBLECOAT TECHNOLOGY



Tailor-made engineering.
Inspired by your productivity.





▶ **We love a challenge.
And therefore continually come
up with innovative solutions.**

FlexPack® extrusion coating and laminating line

In the course of our company's history, our engineering specialists have created trendsetting solutions for numerous end products and have thus acquired a unique body of know-how. This fact is not only underlined by innumerable innovation awards, but first

and foremost by the high-performance solutions that enable our customers to make daily progress. In this regard, our DoubleCoat process represents an excellent example of how intelligent engineering can result in fresh opportunities.

**Tailor-made engineering.
Inspired by your productivity.**

▶ multi-filament spinning lines

Austrofil – the synonym for top quality.

Our multifilament spinning lines are characterised by high production stability, enormous flexibility and the creation of premium product quality. Capabilities that apply to the manufacture of the high-strength FDY used for various ropes, belts and nets, as well as MDY, mainly applied for the production of furniture fabrics and hometex. The POY required for knitted and woven clothing fabrics and the automotive industry can also be produced along with the BCF yarns used by the carpet industry and for special textile products. SML guarantees high-performance solutions for every item in your yarn portfolio.

- ▶ LINES FOR FDY, MDY AND POY YARNS
- ▶ LINES FOR BCF YARNS



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Inspired by your productivity.





Austrofil Multifilament Spinning Line

▶ **Those that think ahead, always find superior solutions.**
And develop a wear-free texturing nozzle that provides customers with 20% material savings.

Tailor-made engineering.
Inspired by your productivity.

Our engineers and specialists are constantly looking for improvements to Austrofil spinning line technology. Consequently, we are able to match our solutions to customer requirements in optimum fashion. Irrespective of whether their needs relate to the use of new materials or above average output in combination with a simultaneous reduction in setting times. The development of a wear-free texturing nozzle, which reduces material consumption by 20 per cent demonstrates our technical progress.

▶ winding technology

Precise, efficient and powerful.

Our extensive range of special winders demonstrates clearly that we constitute far more than just an extrusion specialist. We offer diverse winding systems adapted to customer requirements and areas of application, and thus create the lead expected from us by means of high-precision technology that facilitates efficient production.

- ▶ JUMBO ROLL WINDERS FOR CALENDERED FILMS
- ▶ FULLY AUTOMATIC, HIGH-SPEED FILM WINDERS INCLUDING CORE FEEDING SYSTEMS
- ▶ HORIZONTAL SLIDING WINDERS FOR SCRAPLESS ROLL CHANGE
- ▶ SHAFTLESS WINDERS WITHOUT CRITICAL SPEED LIMITATION



Tailor-made engineering.
Inspired by your productivity.





winder W3000



winder W5000



winder W500

► **SML winding technology.**
Unconventional solutions
that are always focused on
the overall process.

Tailor-made engineering.
 Inspired by your productivity.

SML provides efficient solutions on a one-stop-shop-
 ping basis, which extend from line planning, to ease
 of operation during full production and on-the-spot
 servicing. Our customers expect perfect, integrated

solutions that permit an optimised production flow.
 Therefore, we make certain that they achieve a decisive
 production quality advantage by means of one of the
 world's most precise winding technologies.



► **After a second look, what at first glance may appear impossible, can often furnish a genuine advantage. This is the approach to which our enthusiastic team is total committed.**

Tailor-made engineering.
Inspired by your productivity.

► **Our answer for dynamic markets.
Pre-engineered series, which
pave the way to fresh opportunities.**



Engineered to perform and a compact design represents the perfect solution for customers seeking to open up fresh opportunities and business areas. We offer small, pre-engineered series, which can be integrated into the production process at minimum time. An

in-house developed SML modular design system enables a faster response to changed production needs and once again underlines that we are ideally prepared for your success.

-
- **THE EFFICIENT EXPLOITATION OF ADDITIONAL PRODUCT POTENTIAL. IDEAL FOR RAPIDLY EXPANDING MARKETS AND NEW BUSINESS AREAS.**
 - **SOLUTIONS AVAILABLE WITH SHORT-TERM DELIVERY AND QUICK START-UP.**
 - **AN INNOVATIVE, HIGH-PERFORMANCE MODULAR DESIGN SYSTEM WITH SIZEABLE POTENTIAL FOR EXPANSION.**
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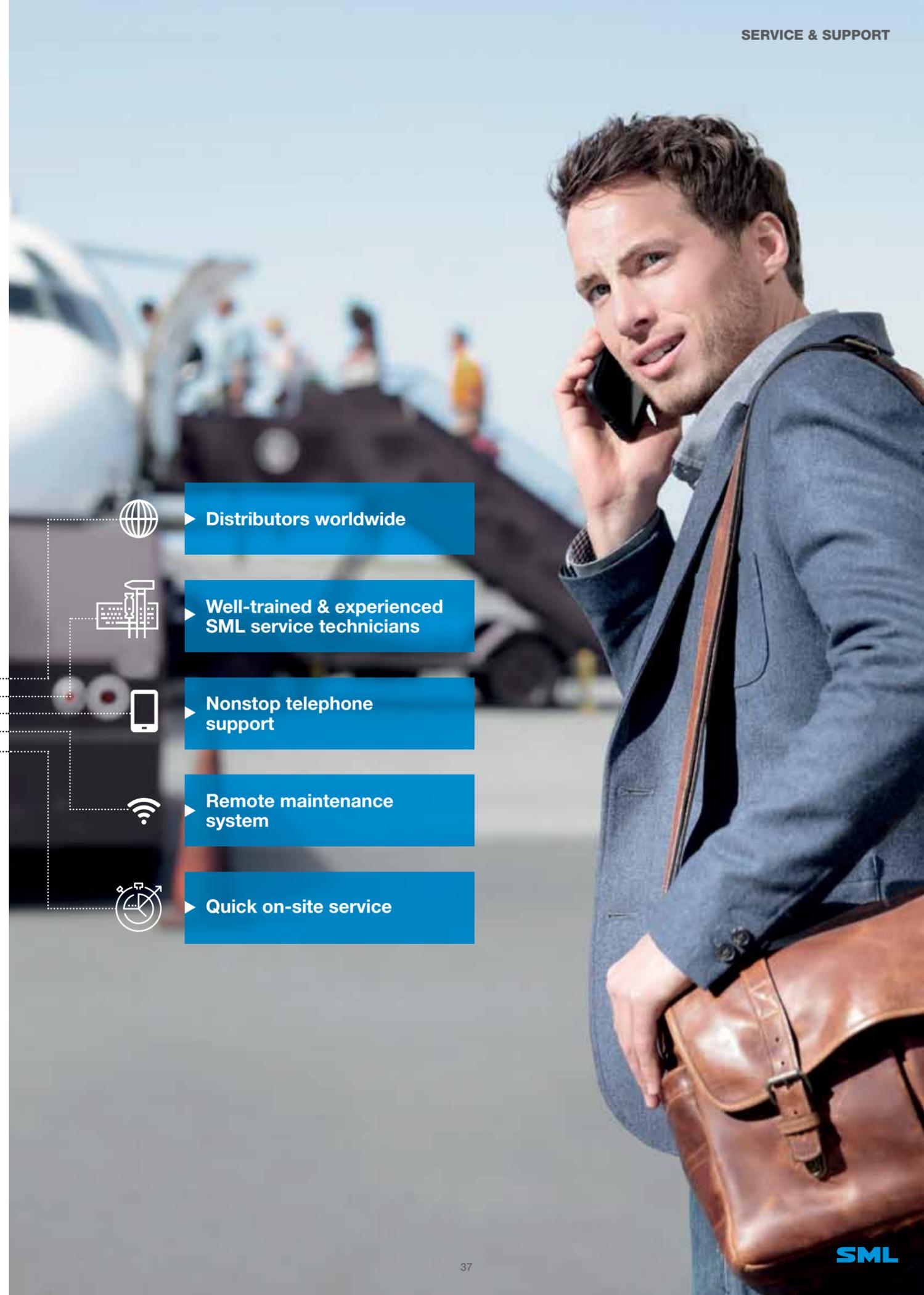
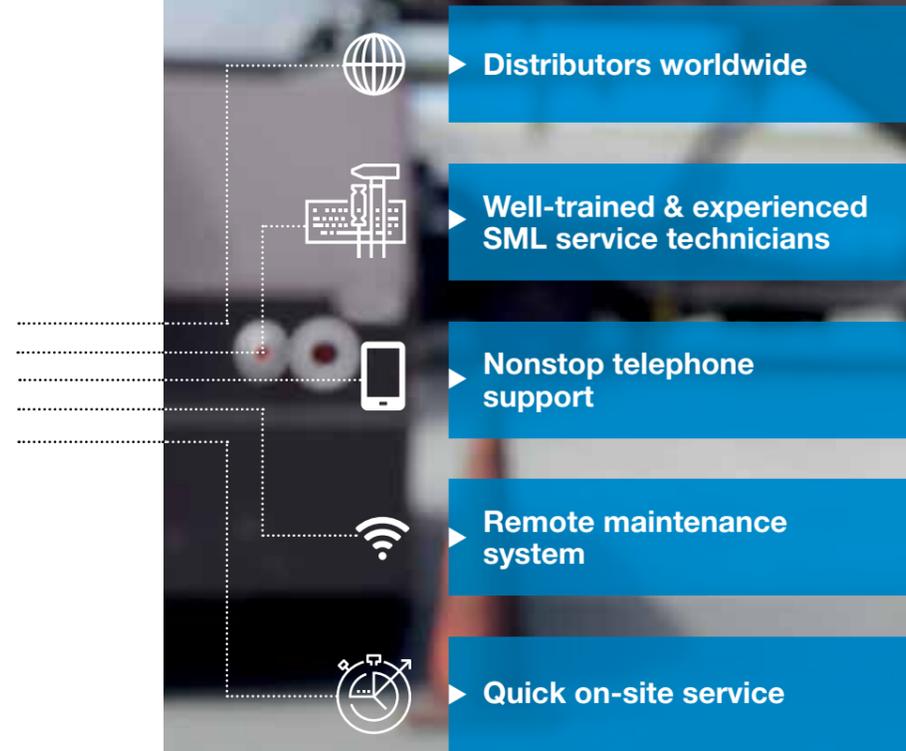
**Tailor-made engineering.
Inspired by your productivity.**

► Service and support. High-performance even after start-up.

Our customer service team offers reliable support in order to guarantee the smooth operation of your systems. The pre-installed, remote maintenance system simplifies the identification of any faults that may occur and facilitates rapid diagnosis and malfunction correction. Our service technicians are at your service anywhere in the world.

-
- THE EXTREMELY ROBUST DESIGN OF SML EQUIPMENT ENSURES A LONG SERVICE LIFE.
 - IMMEDIATE ASSISTANCE AVAILABLE IF MALFUNCTION OCCURS.
 - SML SERVICE TECHNICIANS VISIT CUSTOMERS ON A REGULAR BASIS IN ORDER TO ENSURE MAXIMUM PRODUCTIVITY.
-

SML
100% Customer Satisfaction



Tailor-made engineering.
Inspired by your productivity.



SML - Head Office
Bundesstrasse 1a
A-4860 Lenzing, Austria
Phone: +43-7672-912-0
Fax: +43-7672-912-9
E-mail: sml@sml.at
www.sml.at

SML - Machinery Far East Sdn Bhd
(1029958-P)
1201 Block B, Menara Amcorp
No.18 Jalan Persiaran Barat
46050 Petaling Jaya
Selangor Darul Ehsan,
Selangor, Malaysia
Phone: +60-3-7955-9098
Fax: +60-3-7955-9981
E-mail: yen@sml.at

SML - Moscow Office
Ogorodny proezd, 5
Building 6, office 504
127254 Moscow
Russia
Phone: +7 495 618 8007
Fax: +7 495 619 5961
E-mail: kna@sml.at

SML - Beijing Office
Unit 1410, Landmark Tower
No. 8 North Dongsanhuan Road
Chaoyang District
100004 Beijing, P.R. of China
Phone: +86-10-6590-0946
Fax: +86-10-6590-0949
E-mail: sml@sml.bj.cn

-  Headquarters
-  Locations / service units
-  Agencies

