

WELCOME TO THE STARLINGER FAMILY

OVER 900 CUSTOMERS IN 136 COUNTRIES – AND EACH ONE IS SPECIAL TO US.


CONSTANT COMMITMENT HAS WON US HIGH ESTEEM AROUND THE GLOBE. THIS IS THE FINEST REWARD FOR OUR EFFORTS, AND THE DEFINING MARK OF A UNIQUE SUCCESS STORY WHICH BEGAN 180 YEARS AGO.

It was Franz Starlinger who, during the era of the Austro-Hungarian monarchy, went into the textile machinery manufacturing business for himself and gave the company the name it bears today.

His great-nephew and successor Franz Xaver Starlinger-Huemer, in the more than forty years of his career, transformed the small Viennese operation into a globally active enterprise known then as now for its pioneer role in technological development. Technical progress, economic fluctuation and changing conditions in our customers' countries have brought change to the company and its range of products. Textile machinery, the original core business, still plays a vital role, though we have long since branched out into other fields as well.

The following pages trace the major developments over 180 years of company history, prominent among them the life work of Franz Xaver Starlinger-Huemer in the second half of the 20th century.

Starlinger's employees have played a decisive part in the successful development of Starlinger as an enterprise. We would like to take this opportunity to thank all those whose committed effort – often over the span of their entire working lives – has helped make it all possible.



angelika huemer



erna starlinger-huemer



TIME LINE

- 1835** Company founded in Vienna under Franz Laubek as machine shop
- 1903** Registered as "Franz Laubek's Successors"
- 1907** Under new management as "Elis, Pretsch and Starlinger"
- 1910** Company moves to new premises in the industrial compound at Mollardgasse 85a in Vienna's 6th district
- 1914** Franz Starlinger becomes independent under the name Starlinger & Co.
- 1955** Development of winding machines for synthetic fibres
- 1959** Franz X. Starlinger-Huemer takes over the company from his great-uncle Franz Starlinger
- 1968** First factory premises in Weissenbach an der Triesting
- 1969** First sale of circular looms
- 1972** First Starlinger-built circular looms Type HD 4 sold to Persia and Libya
- 1974** Starlinger participates in the first Austrian machinery exhibition in Peking, PR China
- 1975** Head office moves from Mollardgasse to Sonnenuhrgasse, Vienna
- 1982** First turnkey project supplied to Nigeria
- 1987** Development of circular loom HDN 4; first recycling lines supplied
- 1990** Licence acquired for production of tape lines
- 1991** Acquisition of MAPLAN (Terntitz, Austria) lays foundation for the Starlinger Group
- 1995** AD*STAR® sack concept patented; SL series circular looms developed; subsidiary SML (Lenzing, Austria) acquired
- 1996** Assembly plant expanded and moved to Factory 2
- 2000** Foundation of division recycling technology
- 2001** recoSTAR recycling machine series developed
- 2002** Daughter Angelika Huemer becomes managing partner; SAHM GmbH (Eschwege, Germany) acquired
- 2003** Fourth generation of circular looms developed – alpha
- 2005** Foundation of Starlinger Plastics Machinery (Taicang) Co. Ltd. (Taicang, China); foundation of division viscotec
- 2007** Production plant in Taicang, China, opened; Austrian Export Award
- 2010** 175th anniversary; development fifth generation of circular looms – FX 6.0
- 2012** Opening of new production site of viscotec in St. Martin, Upper Austria; Austrian Export Award
- 2013** Foundation division Starlinger consumer bags; PET sheet line viscoSHEET developed
- 2015** 180 years of Starlinger; opening of the new headquarters of American Starlinger-Sahm, Inc. in the USA

STARLINGER & Co

TEXTILMASCHINENFABRIK

MOLLARDGASSE 85 a

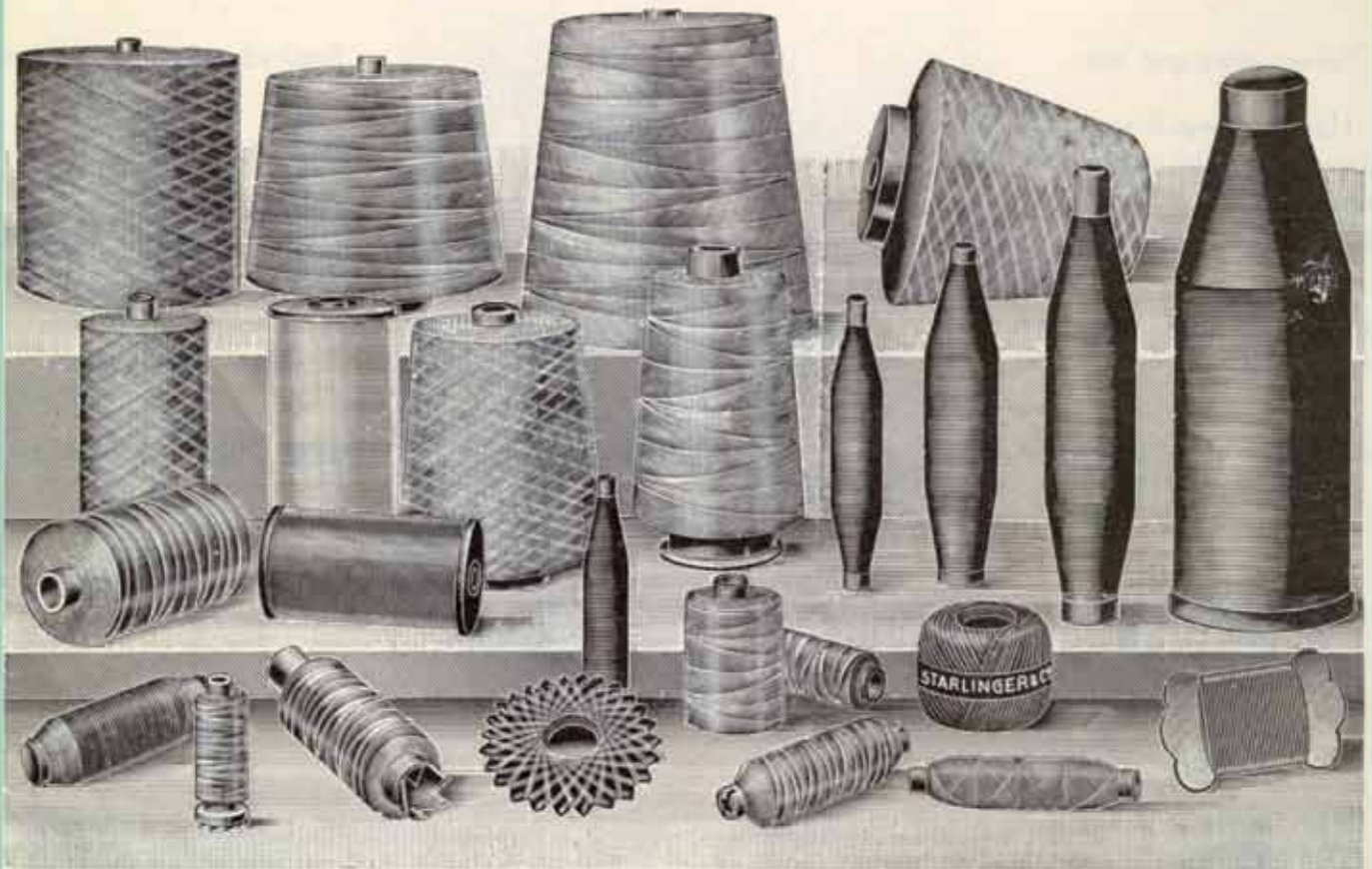
WIEN VI

LINKE WIENZEILE 178

FERNSPRECHER B 27-4-18

GEGRÜNDET 1835

POSTSCHECK-KONTO 133.936



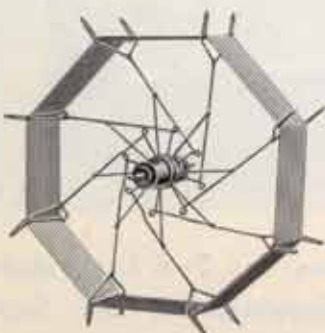
HOCHWERTIGE SPULMASCHINEN FÜR DIE GESAMTE TEXTILINDUSTRIE

Für einen modernen Betrieb unerlässlich zur Herstellung von
GUTEN SPULEN

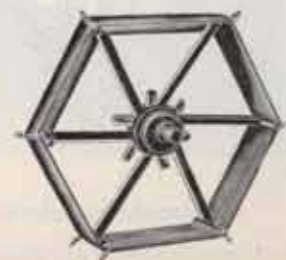
**Sie verhüten Abfall, fördern die Produktion und erhöhen die
Qualität der Ware. Ohne gute Spulen keine rationelle Fabrikation**

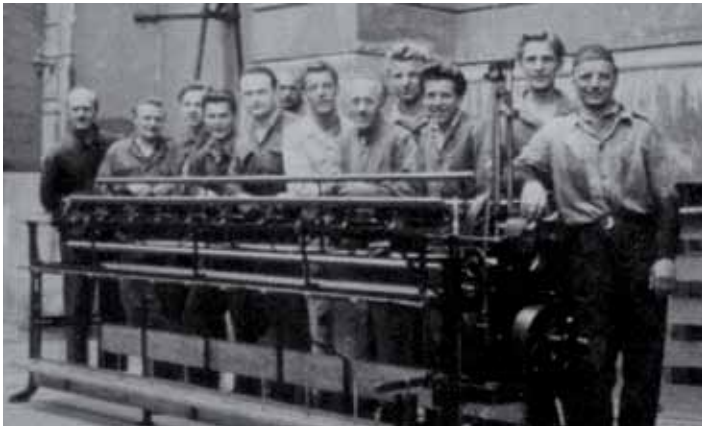
MODERNE VERSTELLBARE HASPEL

für Seide, Baumwolle, Wolle,
Leinen und andere Garne in
verschiedener Ausführung mit
unzerbrechlicher Stahldraht-
auflage



EIGENE ERZEUGUNG
Bitte verlangen Sie Offert!





Franz Starlinger, known locally as the "King of Gumpendorf", walks every day from his apartment in Vienna's 7th district to the company in the 6th district (Gumpendorf). In the 1950's he finally acquires a car, a silver Studebaker. He himself has no driver's licence; his usual chauffeur is his great-nephew Franz X. Starlinger-Huemer.

HOW IT ALL BEGAN

In 1835, Franz Laubek opens a machinist's shop in Vienna's 6th district. Over time he comes to specialize in the manufacture of steam engines and drive elements, which are increasingly in demand as industrialization progresses.

End of the 19th century young Franz Starlinger from Upper Austria starts working for him. The trained wainwright and agricultural machinist had come to Vienna to seek his fortune in the capital city of the monarchy. He proves to be a reliable and hard-working employee, which Franz Laubek confirms 1903 in the employment record book:

„[The] carrier of This [employment record] has worked as machinist and fitter to my fullest satisfaction during the adjacent mentioned period of time [03rd of January 1898 to 30th of June 1903], has always been loyal,

hard-working and sober and has carried out all fitting works given to him in the most diligent manner. Only due to the closure of my business he is leaving my employment we wish him virtuous welfare."

As none of his children is interested in taking over the business, Laubek bequeaths it in 1895 to his four best employees – Franz Starlinger is one of them. The company is entered as "Franz Laubek's Successors" in the registry of companies.

In 1907 the company is renamed "Elis, Pretsch & Starlinger". The product range includes production machinery for textile trimmings and auxiliary equipment for the textile industry.

In 1910 the company moves to a basement workshop in the newly erected industrial compound at Mollardgasse 85a in Vienna's 6th

district, built in honour of the sixtieth anniversary of Emperor Franz Josef's ascension to the throne.

Franz Starlinger becomes sole proprietor

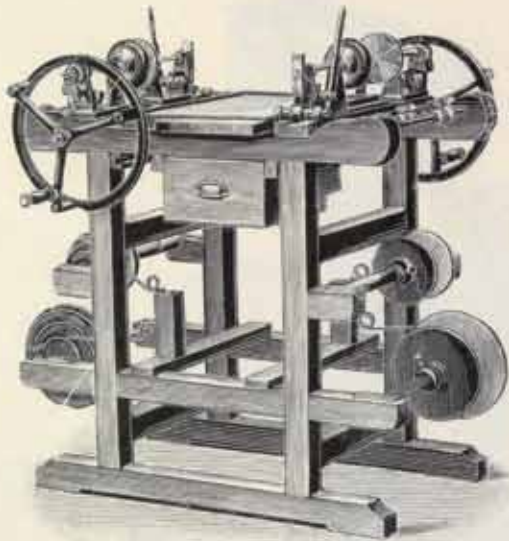
From 1914 on, the other partners having left the business, Franz Starlinger carries it on alone and has it entered into the Vienna Registry of Companies as "Starlinger & Co.", textile machine producers. In the 26 years that follow, Starlinger specialises in the manufacture of auxiliary machines for the entire textile industry. Practically without competition in Austria, the company successfully contends against its German and Swiss competitors by offering a wide range of niche market machinery and by tailoring production to customers' specific demands. Among the products are pre-winding and winding

apparatus, weft winders, skeining machines, chenille and napping machines, pressing machines and warp beams.

Like most machine shops in Vienna, Starlinger begins supplying the armaments industry in 1940, producing ammunition and various small cast and lathed components. The company returns to textile machinery production after the war, though for a while the lack of materials restricts business mostly to the repair and sale of second-hand machines.

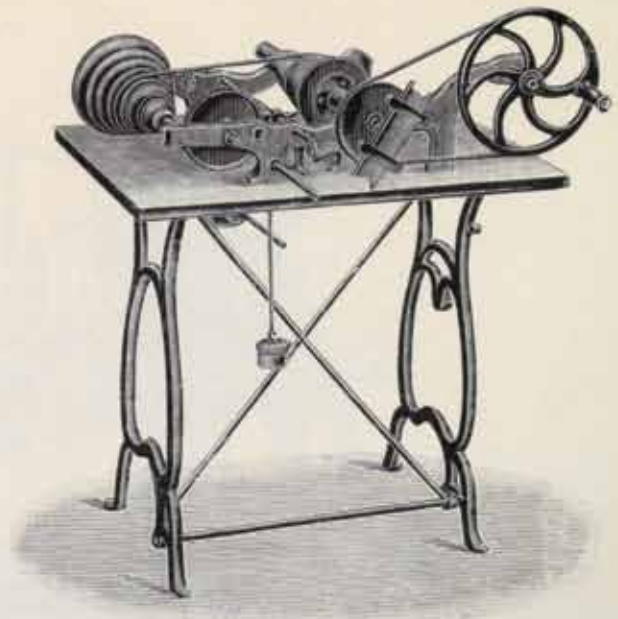
The 1950's bring synthetics – nylon and polyester – to the European market, prompting Starlinger to break new technological ground in 1955 with the development of winding machines specially designed for synthetic fibres.

Maschinenfabrik für Textilindustrie Ellis, Pretsch & Starlinger, Wien, VI. Mollardgasse Nr. 85 a.



Type 53.

Doppelseitige Aufschlagmaschine
für Seidenbänder.



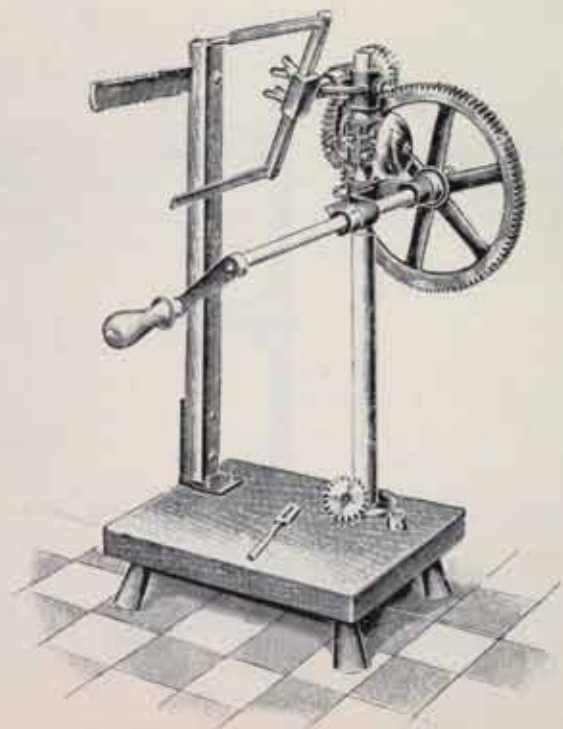
Type 54.

Börtel- und Schnürlaufschlagmaschine
auf Karten.



Type 55. **Haspel**

zum Adjustieren von Bändern und Litzen, mit Zählwerk.



Type 56. **Bänderaufschlagmaschine**

für Bänder und Litzen, mit Räderübersetzung.



When a Greek shipowner and friend of the Starlinger-Huemer family is shown an early circular loom, he says prophetically: "You are looking at a gold mine!"



Sketching on a paper table napkin his concept of the prototype HD 4 loom, Franz X. Starlinger-Huemer wins a contract in 1972. Back in Austria, he places his sketch on the desk of the young design engineer, Kurt Cada, who will later go on to become one of Starlinger's managing directors: "We have to build this machine. I've just sold 20 of them."

THE ERA OF FRANZ XAVER STARLINGER-HUEMER

In 1959, 26-year-old Franz X. Starlinger-Huemer together with his young wife Erna takes over the company from his great-uncle Franz Starlinger. Winders and machinery for trimmings, destined for use in various sectors of the Viennese textile industry, are still the mainstay of production; fitting band machines and covering machines for aluminium wire have been added to the product line. With 25 employees, Franz and Erna Starlinger-Huemer generate a turnover of a little over one million Austrian Schillings.

1967 marks Starlinger's first exhibit at an international trade show, the International Textile Machinery Association's ITMA in Basle. By this time the Mollardgasse work-

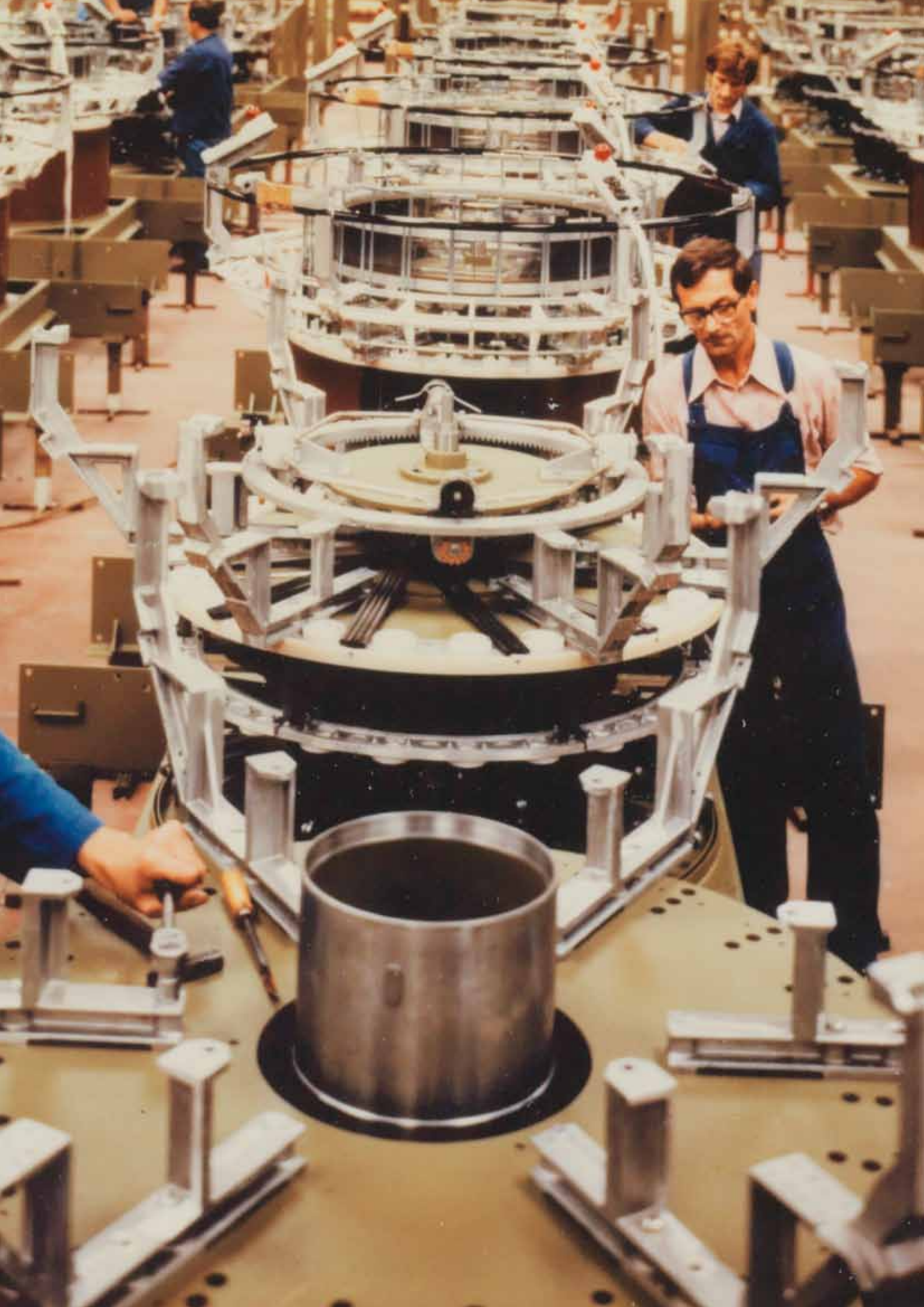
shop is becoming too small for the increasing production volume. In their search for larger premises, the Starlinger-Huemers find the right place in their hometown of Weissenbach: In 1968, the first assembly plant is erected on the former site of the Pittel Cement Works.

The machine that makes the Starlinger world turn

A distribution partnership for circular looms brings experience in the field of weaving to Starlinger. Soon Franz X. Starlinger-Huemer is gathering ideas for his own loom model, selecting the best features from the circular looms available on the market and developing, together with Kurt Cada, the HD 4.

Export sales commence, the first to Persia: In 1972, Franz X. Starlinger-Huemer lands an initial order for circular looms. Further supply contracts to the Near East soon follow.

Two years later, the first Austrian machinery exhibition in Peking, China, is the venue for Starlinger's first international showing of the HD 4.





For years, Franz X. Starlinger-Huemer drives a silver-grey Golf GTI. One day, as he and his wife are driving an African technician to the airport following a stay in Weissenbach for training, Erna Starlinger-Huemer asks the visitor how he has liked Austria. He replies: "Thank you, it was very nice. And I found out one thing: In Austria, the big bosses drive the small cars."

GROWTH AND INTERNATIONALISATION

As serial production of circular looms at the new plant in Weissenbach an der Triesting brings about a shift in focus, Starlinger's business becomes increasingly export-oriented. Redesigned winders, newly developed sack conversion lines, printing machines, and baling presses, as well as tape lines purchased from other manufacturers are added to the product range. The Vienna head office moves from Mollardgasse to its present Sonnenuhr-gasse location; the Weissenbach plant expands. By the mid-1970's, Starlinger employs about 50 people. Co-operation partnerships with other companies now enable Starlinger to realize complete projects. As a result, turnover doubles in 1978 and again in 1981. In 1982, the first turnkey sack

plant project is supplied to Nigeria. From the clearing of the plant site and relocation of the alligators living there to the building of an access road and plant buildings and then to installation of the machines and training of the work force, everything is planned and executed by Starlinger, and the customer is presented with the keys to a running plant. Always a step ahead of the competition, Starlinger launches a new generation of circular looms with the HDN 4, first presented in 1987 at the ITMA exhibition in Paris. The same year, Starlinger supplies the first recycling lines: The INDUMAT series lines are designed for reprocessing in-house waste from sack production plants.





The SL series, which will eventually include seven loom models, is launched at ITMA 1995 in Milan. Like its predecessors, the HD and HDN series, its technology soon becomes the worldwide industrial standard for circular weaving. A Starlinger SL 6 in "Loom Art" design is the eyecatcher at ITMA 1999 in Paris.

SINGLE SOURCE SUPPLIER WITH EXPANDED PORTFOLIO

In 1990, Starlinger acquires a licence for production of tape extrusion lines and develops the predecessor of today's starEX. At last, Starlinger can now supply the entire lineup of woven sack plant machines from its own production. As the volume of orders grows, so does the staff: As of 1992, Starlinger has 303 people on the payroll.

A(D*)STAR is born

In 1995 Starlinger launches a packaging product for the first time. With the help of his son-in-law Philippe Soulier Franz X. Starlinger-Huemer develops a concept for block bottom cement sacks made of woven polypropylene: The AD*STAR® sack is born, opening up the huge, paper-dominated cement sack market to Starlinger. The sack concept is patented worldwide and the first

production lines are sold.

In Weissenbach, the first production building is erected on the site of Factory 2 in 1996. Like Factory 1, the new plant will see continued expansion in the years to come.

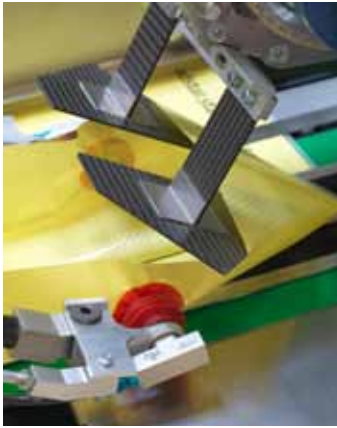
Full Circle: Recycling

Recycling lines of the original INDU-MAT series, which are used in sack production plants for the reprocessing of waste film and tapes, are an increasingly important element in complete projects. To meet the growing demand, Starlinger founds the division recycling technology in 2000 and begins development of the recoSTAR series. Fully developed, this concept comprises five recycling line types suitable for a wide range of plastic materials and product applications.





In recognition of her contributions to the country's economy Erna Starlinger-Huemer receives the Grand Decoration of Honour for Services to the Republic of Austria in 2009.



In the first half of 2015 American Starlinger-Sahn, Inc., the sales and service branch of Starlinger and its subsidiary Sahn in the US, moves into its new headquarters in South Carolina.

GIANT STEPS INTO THE NEW MILLENNIUM

Franz X. Starlinger-Huemer hands over the reins to his daughter Angelika Huemer shortly before his demise in 2002. She has been with the company since 1983 and has gained experience in various aspects of its business. Now, as managing partner, she takes on responsibility for the entire Starlinger Group. At ITMA 2003 in Birmingham, Starlinger again launches a new generation of circular looms with the alpha 6. Like the SL loom, alpha will become a series including additional models.

After many years as managing director of the company in whose growth he has played a decisive role, Kurt Cada retires from active business in 2005. He continues to assist the company as chairman of the supervisory board.

Comprehensive structural changes in the company's management follow. In the same year, a production plant in Taicang, China, is founded in order to consolidate the Starlinger market share in Asia. Also in 2005, the innovative division Starlinger viscotec is founded in Linz. It specializes in PET refinement, working closely with Starlinger recycling technology. Despite her advanced age, Erna Starlinger-Huemer still travels a lot and visits long-standing customers all over the world.

New additions to the sack product family

With the launch of an automated process for production of woven plastic shopping bags in 2008, Starlinger markets a robust and reusable alternative to paper and PE film

bags: the CB*STAR® shopping bag made of coated or BOPP-laminated woven plastic fabric.

As many of Starlinger's customers are hard-hit by the global economic crisis of 2008, a drastic short-term downturn in Starlinger's business results. Nevertheless, the latest addition to Starlinger's sack product family is presented early in 2009: The PP*STAR® pinch bottom sack ensures shelf appeal for consumer goods sold in wholesale or retail markets and guarantees added momentum for Starlinger sales to industrialized countries.

In the course of 2009, the economy recovers rapidly and production at full capacity resumes. 2010 Starlinger celebrates the 175th anniversary and achieves a record turnover. New developments concerning

almost the entire machine range follow, the highlights being the sack conversion lines of the successful ad*starKON SX series, and the new circular loom generation FX.

A promising future

In 2013 STARlinger reaches the highest turnover in the company's history.

The first big bag made of PET tape fabric is launched at Interpack in Düsseldorf in 2014, marking a revolutionary step in the development of tape extrusion and weaving technology.

In 2015 Starlinger celebrates the 180th company anniversary. In September of the same year the new company headquarters of American Starlinger-Sahn is opened in Greenville, USA.

Starlinger





Local offices in nine countries on five continents ensure close proximity to customers and quick reaction to individual service needs. With a staff of around 580, Starlinger supplies customers in 136 countries and generates an annual turnover in the triple-digit million euro range.

STARLINGER TODAY

Today, Starlinger is a globally active, innovative European industrial company specializing in machinery and process technology. In the field of application-oriented flexible packaging solutions from woven plastic and in PET recycling and refinement, Starlinger leads the world market and sets new standards.

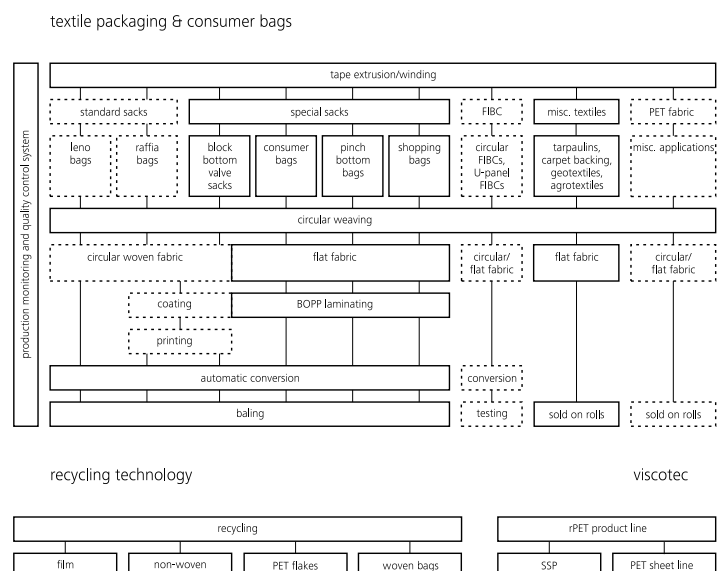
The textile sector still holds great potential. Woven plastic packaging has become indispensable to trade and supply logistics. Starlinger is a driving force behind the discovery of new areas of application for flexible woven packaging.

In recent years, Starlinger has achieved pioneer status in another field as well: plastics recycling. Today, Starlinger is one of the top suppliers worldwide in the PET recycling field, leading the way with new technological developments and advancements in plastics recycling.

Starlinger is internationally acclaimed as

- quality and technology leader
- the world's only manufacturer of complete turnkey plants
- developer of innovative high-end products and new technologies
- reliable partner with a worldwide service network, and
- an expanding family-owned enterprise.

The product portfolio includes machine solutions for the packaging industry and for recycling of polyolefines and PET:





Camel
Portland Cement
ASTM C150 TYPE I
Net Weight 50 kg.

PANYAM
POWER
PANYAM CEMENTS & MINERAL INDUSTRIES LTD
HYDRABAD - FACTORY, CEMENT NAGAR
PIN - 512008
NETT QUANTITY : 50KG
INCL. OF ALL TAXES
MFG. RA. INCL. OF ALL TAXES
CUSTOMER CARE CELL NO. : 998027815

NORTHERN
ISO CERTIFIED COMPANY
ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007

RHINO
CEMENT
PERMIT No. 10226 FOR IS EAS 18-1:2001
CEMII/B-P 32.5R

PT SEMEN PADANG
PADANG, INDONESIA
SEMENT
PORTLAND
KOMPOSIT
PCC

Starlinger
Attention!
This sack saves money!
CAUTION
Woven Power
AD*STAR® - patented worldwide by Starlinger

LAKSHMI CEMENT

A
D

NEW
DANGOTE
32.5R

ADITYA BIRLA GROUP
Ultratec
Premium
The Engine



THE STARLINGER GROUP

From small beginnings, Starlinger has risen to its present status as a globally active industrial enterprise. The Starlinger Group employs over 1000 people worldwide, generating an annual turnover of more than 210 million euros in 2013/14.

In 2002, **Georg Sahn GmbH & Co KG** of Eschwege, Germany, joins the Starlinger Group. SAHM winders are in use all over the world. Close co-operation with customers and partners has brought about technological developments that point the way forward for the world market.

Starlinger Plastics Machinery (Taicang) Co. Ltd. was founded in Taicang in 2005 and started production in 2007. Starlinger Taicang focuses on circular weaving technology and manufactures the looms of the successful RX series.

