KRAMSKI

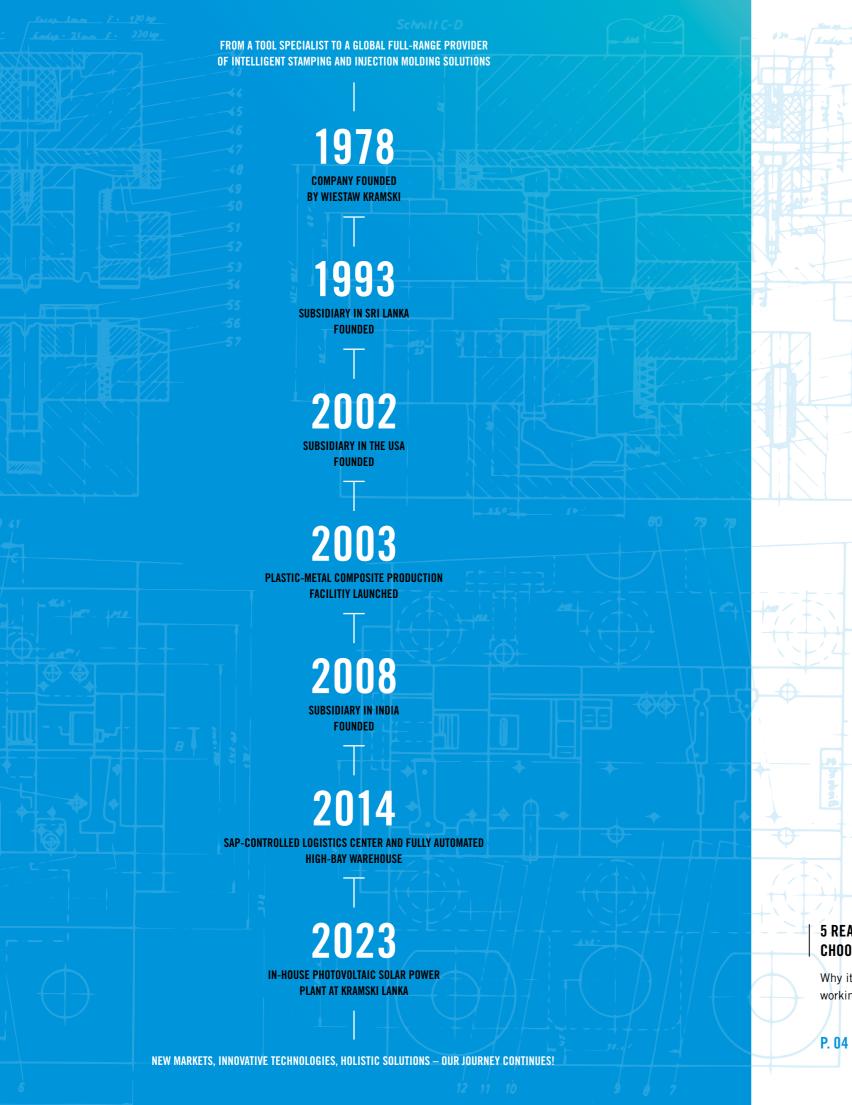


PERFECTION NEEDS PERSONALITY

Independent, passionate, reliable. Discover a family business with character!







WE'VE GROWN FROM A LOCAL
TOOL SPECIALIST INTO AN
INTERNATIONAL MANUFACTURER
OF HIGHLY SOPHISTICATED
STAMPED AND INJECTION-MOLDED
PARTS. WHAT'S THE SECRET
TO OUR SUCCESS? COURAGE,
PERSEVERANCE, VISION. BUT WHAT
DRIVES US THE MOST IS OUR
GREAT PASSION FOR PRECISION.

THE RELENTLESS PURSUIT OF PERFECTION — OUR FOUNDER, WIESTAW KRAMSKI, LED BY EXAMPLE HERE AND THIS MISSION STILL GUIDES US TODAY!

5 REASONS TO Choose Kramski

Why it's worth working with us

Inn for the

PRODUCTS & INDUSTRIES

Innovative solutions for the markets of the future

P. 16

INTERNATIONAL LOCATIONS

4 technology hubs 3 continents A global network

P. 20

KRAMSKI Sustainability

Our responsibility with respect to the environment and society

P. 28

5 REASONS TO CHOOSE KRAMSKI

SUCCESSFUL TOGETHER

As a global family business, we help our customers to succeed in their markets by providing technologically advanced solutions. We put our customers at the heart of what we do – ensuring uncompromising quality and maximum efficiency. On-time delivery and an excellent value for money go without saying. But what does all this actually mean? And how can we create value for you, too?

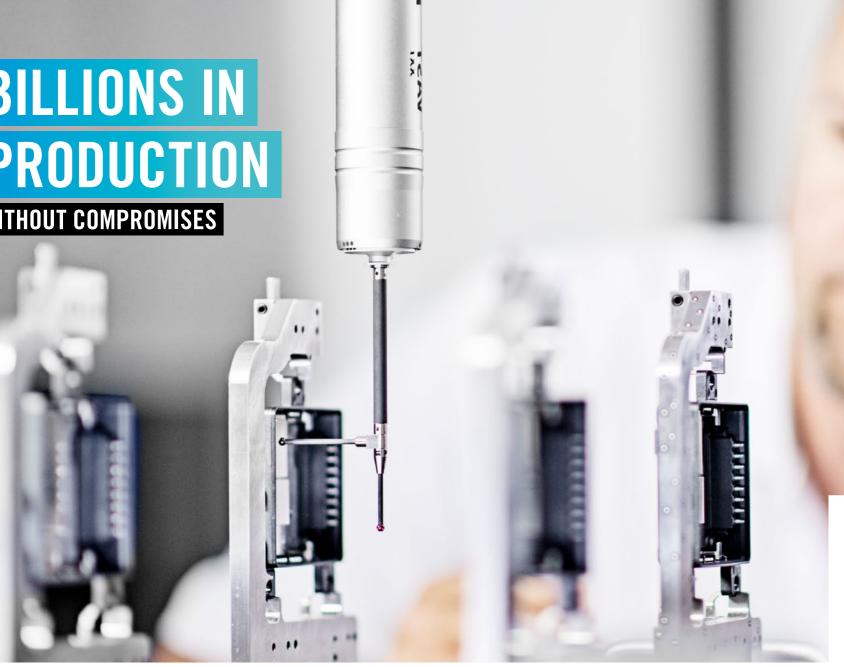
We want to be part of your innovations. With our first-rate stamping and injection-molding solutions, we take your competitive edge to the next level. From the initial idea to global production, we are by your side throughout with the best possible advice and support.

01sq QUALITY

Maximum precision – achieved billiions of times over

02 80 BAGE 08 **05** PAGE 14 **1** 346E 12 **VALUE CREATION EFFICIENCY RELIABILITY GLOBAL PLAYER** A comprehensive portfolio Intelligent process chains A trustworthy partner -International presence for holistic solutions from for maximum productivity a family business that with production sites a single source thinks ahead on three continents

BILLIONS IN **PRODUCTION** WITHOUT COMPROMISES



Quality is part of our DNA. The KRAMSKI quality management process guides a project from the initial idea all the way through to series production. By combining cutting-edge measurement technologies with state-of-the-art equipment, we ensure the highest possible dimensional accuracy achieved billions of times over decades in a tried-and-tested approach.

01 **QUALITY**

Trimmed to perfection from start to finish

A FOCUS ON QUALITY FROM THE VERY FIRST SECOND

Our customers' quality requirements guide us through every phase of a project. Our inhouse high-performance toolmaking facility plays a crucial role in this. It is perfectly aligned with our product and process development, ensuring seamless production from the very beginning. Automated in-line inspections combined with a wide range of ultra-precise measurement methods enable 100% inspections if required.

→ TECHNICAL CONSULTING EXPERTISE

Manufacturing-oriented product & process design with focus on quality from the very first second

→ IN-HOUSE HIGH-PERFORMANCE TOOLMAKING

For high-quality (tool) components & consistent quality in series production

→ PROCESS ENGINEERING & TECHNOLOGY

Technology & production expertise at the highest level, united under one roof





CONSISTENTLY PRECISE

MEASURING PRECISION IN TOOLMAKING & MEASUREMENT TECHNOLOGY

HIGH-END EQUIPMENT

55

MEASURING & TESTING APPLIANCES FOR MEASUREMENTS IN THE μ range

REPLICABILITY & DIMENSIONAL ACCURACY

FOR TOOL COMPONENTS & SPARE PARTS

From design, tool and mold making to series production and finishing processes – we have all the relevant expertise under one roof. This ensures everything is close at hand, fast response times, and maximum process control. As a result, our customers have the greatest possible peace of mind regarding quality, timing, and costs.

HOLISTIC SOLUTIONS FROM A SINGLE SOURCE FROM DEVELOPMENT TO SERIES PRODUCTION 02 **VALUE CREATION** A broad portfolio for the highest possible quality and planning certainty

GLOBAL CAPACITY

> 33,000sqm

ACROSS ALL OUR LOCATIONS

MINIMAL INTERFACES

100%

PROCESS CONTROL USING IN-HOUSE METHODS

EVERYTHING UNDER ONE ROOF

360°

SOLUTIONS PROVIDER FOR COMPLEX PROJECTS



→ DESIGN & DEVELOPMENT

Tailored solutions thanks to our expertise in product and process design

→ PROTOTYPING

Production-quality prototypes for feasibility studies & for fast, stable series production

→ TOOL & MOLD MAKING

Modern machinery for producing highprecision stamping & injection-molding tools

→ STAMPING TECHNOLOGY

Complex geometries & material combinations in large quantities

→ INJECTION-MOLDING TECHNOLOGY

Overmolding of stamped parts on semi- & fully automated production lines

→ FINISHING PROCESSES

Comprehensive finishing & postprocessing methods to ensure cleanliness & high-quality surfaces

→ QUALITY MANAGEMENT

From project conception to tool construction & series production



The key to efficiency is to perfectly orchestrate every last detail. By coordinating production-oriented process design, high in-house added value, a network of international locations, and forward-looking quality planning, we create real shortcuts that streamline projects and make our customers more profitable.

Perfect integration for maximum productivity **EFFICIENT SERIES PRODUCTION**

STAMPED PARTS & ASSEMBLIES PER YEAR

SERIES PRODUCTION & FINISHING PROCESSES



PRODUCTION MACHINES & FULLY & SEMI-AUTOMATED PLANTS WORLDWIDE

INNOVATIVE TOOLMAKING

GENUINE SYNERGIES FOR GREATER SUCCESS

With our innovative ideas in product, tool, and process development, we help our customers to create synergies and cut costs. High-performance tools pave the way for efficient production with high quantities and minimal maintenance and downtimes. Our quality management prevents weak points and losses, while our network of global production sites ensures higher productivity. The result? Reliable overall costs that sharpen our customers' competitive edge.

- → HOLISTIC APPROACH TO VALUE CREATION Process design that thinks ahead for maximum
- → DIFFERENT TECHNOLOGIES UNDER ONE ROOF Combination of stamping & injection molding

technology for complex projects

→ INNOVATIVE SOLUTIONS

productivity

Through continuous process optimization in our state-of-the-art machinery





We are a family business steeped in tradition that values innovation, technical expertise, and reliability. Calling things by their name, addressing difficulties in good time, keeping promises, and managing the company such that it will serve future generations – these are not merely ideals for us, they are a matter of course.

99.8%

VAST EXPERIENCE

ALWAYS ON TIME

YEARS OF MANUFACTURING EXPERTISE

STABILITY & VISION

>60%

EQUITY RATIO





Values-based collaboration to achieve joint success





LONG-TERM PEACE OF MIND FOR YOUR PROJECTS

A TRUSTWORTHY

A FAMILY BUSINESS THAT THINKS AHEAD

PARTNER

The price of a single component may be very low. If, however, it is missing and the production lines are at a standstill, the costs will be enormous. With 99.8% on-time delivery over the last 3 years, we give our customers' security of supply top priority. Our many years of experience shape every one of our processes. As a healthy family business with a high equity ratio, we stand for stability and reliability. At the same time, we are always willing to invest when opportunities for strategic partnerships and sustainable growth arise.

→ RELIABILITY ACROSS THE BOARD

On-time delivery & security of supply thanks to stable processes & streamlined interfaces

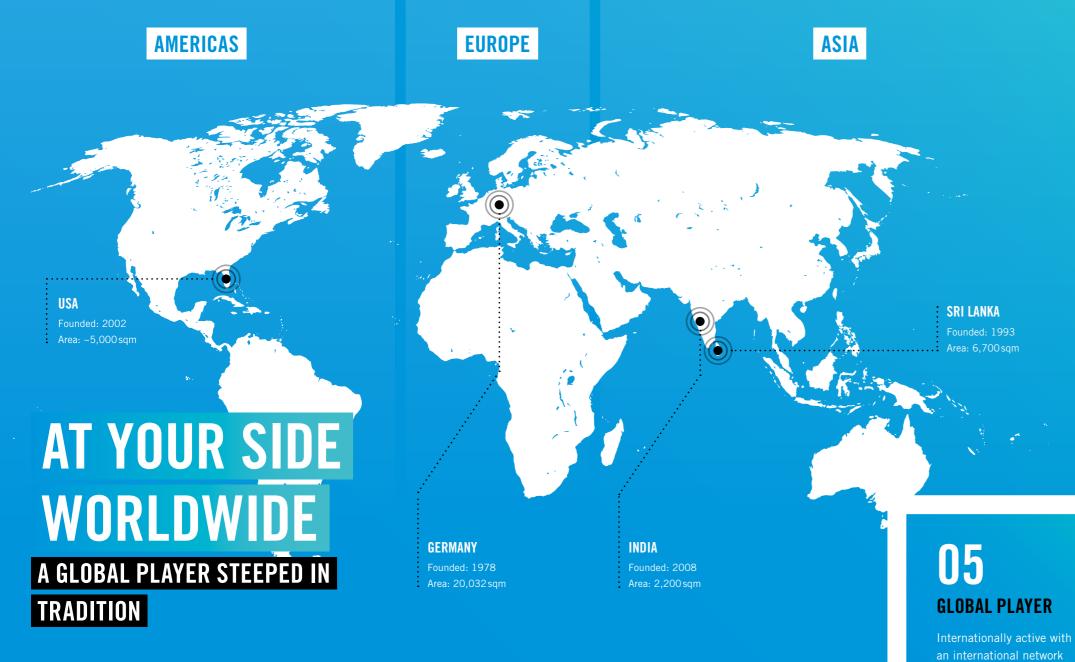
→ STRATEGIC PARTNERSHIPS & SUPPLIER **NETWORKS**

Development partner for pioneering innovations & future-proof solutions

→ STABILITY & READINESS TO INVEST

Development support & customized production concepts for innovative projects & long-term partnerships





No matter where you need us, we are at your side! Very early on, we began to internationalize our production and implement our best practices and our approach to quality on a global scale. Today, with our four state-of-the-art technology hubs, we produce our components in all major markets and support our customers globally.

FLEXIBILITY, PEACE OF MIND, AND EFFICIENCY THROUGH OUR GLOBAL PRESENCE

Our global production network stands for innovation and the highest quality standards. International training courses and exchange programs ensure the continuous transfer of knowledge, experience, and best practices. This enables us to efficiently and flexibly meet the needs of our customers, provide market-oriented support, and guarantee the supply of highly sophisticated stamped and injection-molded parts, anywhere and at any time.

5 REASONS TO CHOOSE KRAMSKI

→ EFFICIENT VALUE CREATION NETWORK Modern locations for intelligent production concepts with varying degrees of automation

→ LOCAL & MARKET-ORIENTED SUPPORT For personal consultations & optimal supply chains

→ INTERNATIONAL NETWORK OF EXPERTS Transfer of knowledge & experience via international training programs



GLOBAL PLAYER

an international network of technology hubs



DIVERSITY AS A WAY OF LIFE

20 +**NATIONALITIES**

> 33,000sqm

RELIABLE CAPACITIES

LOCATIONS AS CENTERS OF EXPERTISE

PRODUCTS PAGE 16 / 17

PRODUCT

BEST CASES























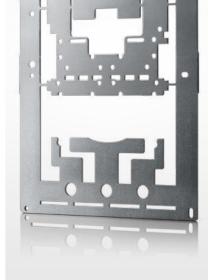


LEADFRAMES / POWER MODULES

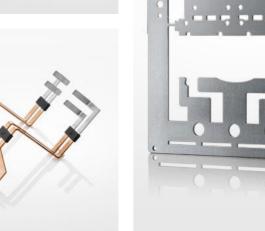
















PRESS-FIT TECHNOLOGY







INDUSTRIES PAGE 18 / 19

Our origins lie in the automotive industry. An industry which undoubtedly sets the benchmark with its stringent requirements as regards complexity, quality, and precision. As a driving force for technological innovation in this demanding field, we have everything we need to expand into many other innovative markets. We want to take our customers to the next level with pioneering stamping and injection-molding solutions.





100% PERFORMANCE FOR ELECTRONICS, SENSORS, & ALL DRIVE TYPES

MEDICAL



DEVELOPMENT PARTNER FOR MINIATURIZED COMPONENTS

POWER ELECTRONICS



HIGHLY AUTOMATED & CUSTOMIZED PRODUCTION LINES

VERSATILITY MEETS EXPERTISE – ALWAYS THE RIGHT PARTNER

No matter the industry or application – let's discuss how our holistic solutions and integrated value creation chain can make you more successful. We are experts in projects with complex requirements. See the benefits for yourself:

- → COMPLEX TECHNOLOGIES COMBINED

 Different materials, sophisticated assembly processes & customized further processing
- → TIGHTEST TOLERANCES & HIGH ROBUSTNESS

 Maximum component performance in terms
 of further processing, durability & reliability
- → HIGH QUANTITIES & WIDE RANGE OF VARIANTS

 Stringent requirements for consistent precision in series production with numerous product variants
- → AVAILABLE WORLDWIDE

 Fast response times & series maturity with consistent on-time delivery on a global scale



FOR A VARIETY OF INDUSTRIES
AND APPLICATIONS

KRAMSKI GERMANY

SINCE 1978

Pforzheim is renowned worldwide as a stronghold of precision engineering, so it's no wonder that our corporate group is headquartered here. Our highly trained employees set standards in development, design, and toolmaking. Our fully automated production facilities also keep efficiency high and costs low by maximizing capacity utilization in three-shift operation.

HOLISTIC VALUE CREATION AT OUR HEADQUARTERS IN PFORZHEIM

Our location in Germany manages all areas and is the central point of contact for complex new projects. Traditionally, the heart of the company is tool and equipment construction. State-of-the-art production halls and an automated logistics center guarantee smooth processes, while our large training center ensures that our employees are continuously trained and upskilled. This is the key to how we provide tailormade, innovative solutions of the highest quality.

→ HOLISTIC VALUE CREATION

For efficient & high-quality solutions from a single source

→ STATE-OF-THE-ART SERIES PRODUCTION

In stamping technology & plastic-metal composites (strips from 0.015 mm to 4 mm)

→ R&D SITE WITH IN-HOUSE PROTOTYPING To ensure optimal conditions for high-volume production

→ FULLY INTEGRATED QUALITY MANAGEMENT For the highest standards of cleanliness, dimensional accuracy, & surface quality

100%

VISION

A willingness to invest and focus on innovation: together we set the stage for pioneering projects

> 250sqm

TRAINING AREA

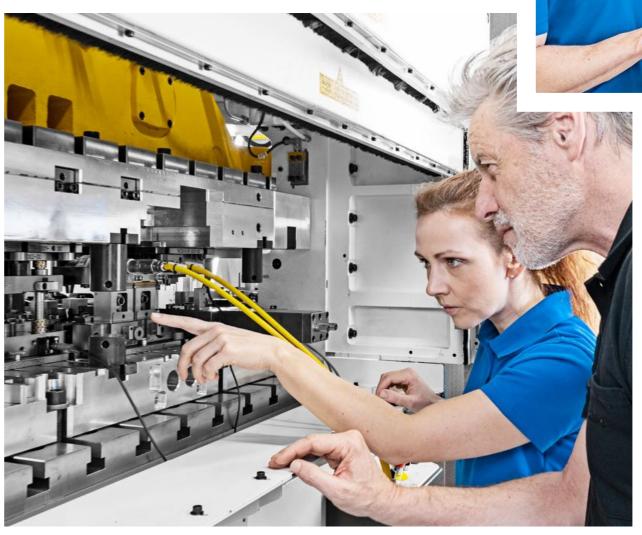
For the experts of tomorrow: top training program with experienced mentors and state-of-the-art equipment



ISO 9001, ISO 14001, IATF 16949. ISO 50001. Quality Seal: "Systematic Work Safety"







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INTERNATIONAL LOCATIONS

KRAMSKI SRI LANKA

SINCE 1993

The founding of our subsidiary in Sri Lanka was the first step toward positioning our corporate group on the international stage. Today, this location combines over 30 years of experience and is regarded as a model factory working to German quality standards. It is a fully equipped technology hub with extensive capacities along the entire process chain – from development to series production.

MUCH MORE THAN JUST A PRODUCTION SITE

With a high degree of vertical integration and comprehensive expertise, we realize the most demanding projects to the highest quality standards at our location in Sri Lanka – either in cooperation with other locations or completely autonomously. Additionally, due to the exceptional quality of our training, we are the only private company in Sri Lanka that is allowed to issue state-recognized certificates of apprenticeship. As a result, our customers benefit from German training and quality standards, combined with local expertise and an attractive cost structure.

→ INNOVATIVE TECHNOLOGY HUB

Modern machinery & experienced specialists with full autonomy when realizing complex projects

→ DESIGN & TOOLMAKING

Independent process chains with highly specialized toolmaking

→ UNCOMPROMISING QUALITY MANAGEMENT Customer-specific measuring equipment

Customer-specific measuring equipment developed in-house

AWARD-WINNING & STATE-RECOGNIZED Local & international training program to nurture & support highly qualified specialists

100%

AUTONOMY

Independent production of complex high-performance tools thanks to extensive expertise and full-scale toolmaking

AVG. 11 YEARS

EMPLOYMENT DURATION

Guarantees extensive experience and continuous development of our employees



SRI LANKA

ISO 9001, ISO 14001, IATF 16949









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KRAMSKI INDIA SINCE 2008

INTERNATIONAL LOCATIONS

India is one of the largest and most promising growth markets in the world. At our R&D-certified location here, we actively support our customers on their road to success in India. With technical expertise and modern machinery, we work hand in hand with our customers to develop high-end solutions that are perfectly tailored to the needs of this dynamic market.

LOCAL FOR LOCAL ON THE MARKETS OF THE FUTURE

We want to be where our customers are. In line with this "local for local" strategy, our location in India enables us to stay close to our customers. Strategically networked with our toolmaking plant in Sri Lanka, we produce our components in accordance with internationally certified quality standards. In addition, we can efficiently implement semi-automatic production processes thanks to our attractive cost structure. With this unique position, our location in India plays an important role in our global production network.

→ RELIABLE & INDEPENDENT

Expertise & capacities along the entire process chain

→ FUTURE-PROOF LOCATION

Modern infrastructure, fully air-conditioned, & with sufficient space for expansion

→ CONSISTENT QUALITY

Thanks to high-precision measuring equipment in accordance with internationally certified standards

→ SYNERGY IN VALUE CREATION

Closely networked with our high-end toolmaking plant in Sri Lanka

100%

FLEXIBILITY

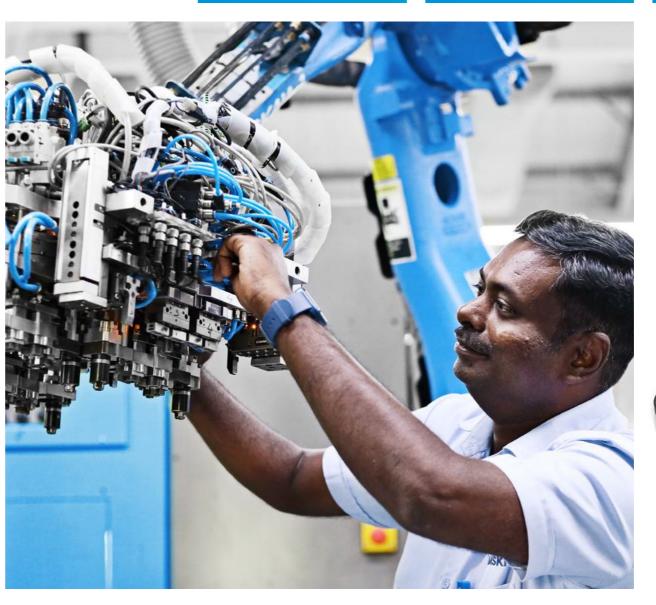
Variable degree of automation – from manual assembly and semi-automated processes to fully automated process chains

> 2,200sqm

PRODUCTIVE AREA

Offers potential and flexibility for growth and scalable solutions











KRAMSKI USA SINCE 2002

Looking for high-end production capacities at the heart of the NAFTA region? Welcome to our location in Florida. Our dynamic US team uses fully automated production cells to manufacture highly sophisticated stamped and hybrid components for a wide range of industries – from medical technology to automotive and telecommunications.

THE HIGHEST QUALITY AND EFFICIENCY MADE IN THE USA

With our integrated manufacturing expertise and cross-industry project experience, we are also active on the American markets. This enables our US location to realize its own projects and produce parts in synergy with other locations. A standout feature is the extremely lean production in fully automated production cells. It ensures high process reliability, quality, and efficiency – decisive advantages that also make our location attractive to customers outside the NAFTA region.

→ EXPERTS IN THE NAFTA REGION

Local for local production for the NAFTA region & for other customers

→ COMPREHENSIVE EXPERTISE

Many years of experience in stamping & injection-molding technology

→ THE HIGHEST PRECISION

Specialists in strips from 0.015 mm to 4 mm

→ EXTREMELY LEAN MANUFACTURING

State-of-the-art, fully automated work cells for maximum efficiency

100%

MANUFACTURING DIVERSITY

Broad product portfolio in stamping and injection-molding for various industries from automotive to medical technology

>63 MIL.

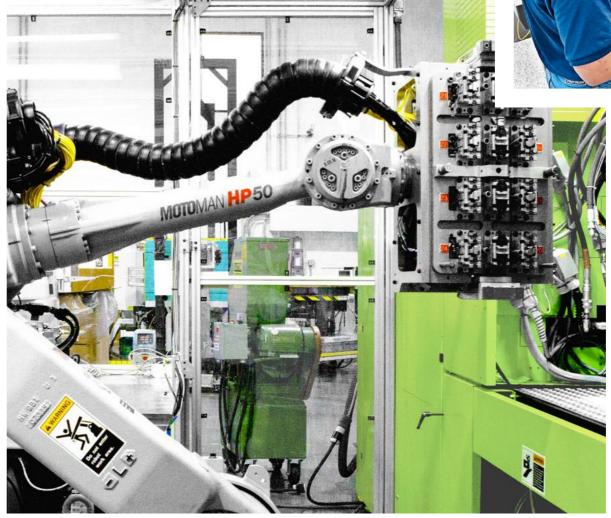
PARTS OUTPUT / YEAR

Reliable capacities and lean production lines thanks to a high degree of automation











KRAMSKI SUSTAINABILITY PAGE 28 / 29



For us as a family business, sustainability means more than just "thinking green". It also reflects our responsibility toward society and our employees, partners, and customers. For example, we support regions and institutions around the world in their efforts to protect the environment, promote good working and living conditions, and strengthen social cohesion.

RESPONSIBLY INTO THE FUTURE

ECOLOGICAL. SOCIAL. SUSTAINABLE.





"KRAMSKI SUSTAINABILITY" MORE THAN JUST A BUZZWORD

Education, culture, and ecology are cornerstones of our sustainability strategy. We are involved in educational initiatives around the world that get young people excited about technology. At all our locations, we promote cultural activities that strengthen local communities. In our environmental measures, we focus on the use of renewable energy, the prevention of waste, and recycling as well as the responsible use of resources. Intelligent supply chains and local production also minimize our carbon footprint.



→ ENVIRONMENTAL

Innovative technologies to minimize our carbon footprint & promote a sustainable future

Responsibility along the entire supply chain: no child labor as well as social initiatives at all our sites

→ GOVERNANCE

Vision based on transparency & ethics: no production of components for military purposes or active killing

WHAT MAKES US PARTICULARLY PROUD, **CONSIDERING ALL THE GROWTH AND CHANGE OVER THE LAST FEW DECADES?** THE FACT THAT WE HAVE REMAINED WHAT WE ALWAYS WANTED TO BE.

AN INDEPENDENT FAMILY BUSINESS THAT IS MANAGED WITH PASSION AND THINKS LONG-TERM, ACTS SUSTAINABLY, AND IS AN ENTIRELY RELIABLE PARTNER FOR ITS CUSTOMERS AND EMPLOYEES. A COMPANY THAT HAS RETAINED ITS PERSONALITY AND INCORPORATES IT ENTHUSIASTICALLY INTO EVERY PROJECT.

WE LOOK FORWARD TO YOUR NEXT PROJECT – LET'S GET TO KNOW **EACH OTHER!**

W. Zramski



HEART AND SOUL





KRAMSKI

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