

# GERMAN QUALITY MEETS CHINESE AGILITY

DISCOVER OUR ZE GP AGILE  
TWIN-SCREW EXTRUDERS



***KraussMaffei***

*Pioneering Plastics*

# COMPOUNDING APPLICATIONS



The ZE GP Agile series provides premium product quality and unique performance characteristics to raise the bar in standard applications like

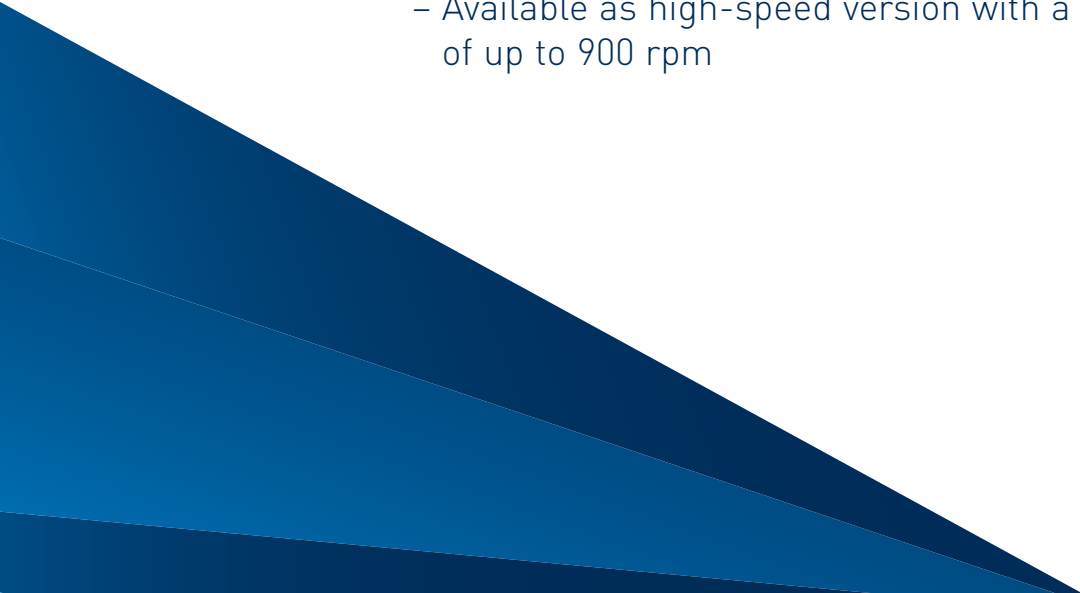
- plasticizing and alloying of polymers,
- incorporation of fillers,
- incorporation of filling and reinforcing agents,
- production of additives and color masterbatches,
- pigmenting of plastics,
- production of polymer blends.

# ZE GP AGILE TWIN-SCREW EXTRUDER EXCELLENT QUALITY AND UNPARALLELED COST-EFFECTIVENESS

Offering outstanding productivity and up to 15% higher throughput as compared to previous models, the unique ZE GP Agile series will benefit small-sized and large compounding companies alike. This new twin-screw extruder series is equipped with state-of-the-art control software for maximum ease of operation and can easily be integrated into existing workflows.

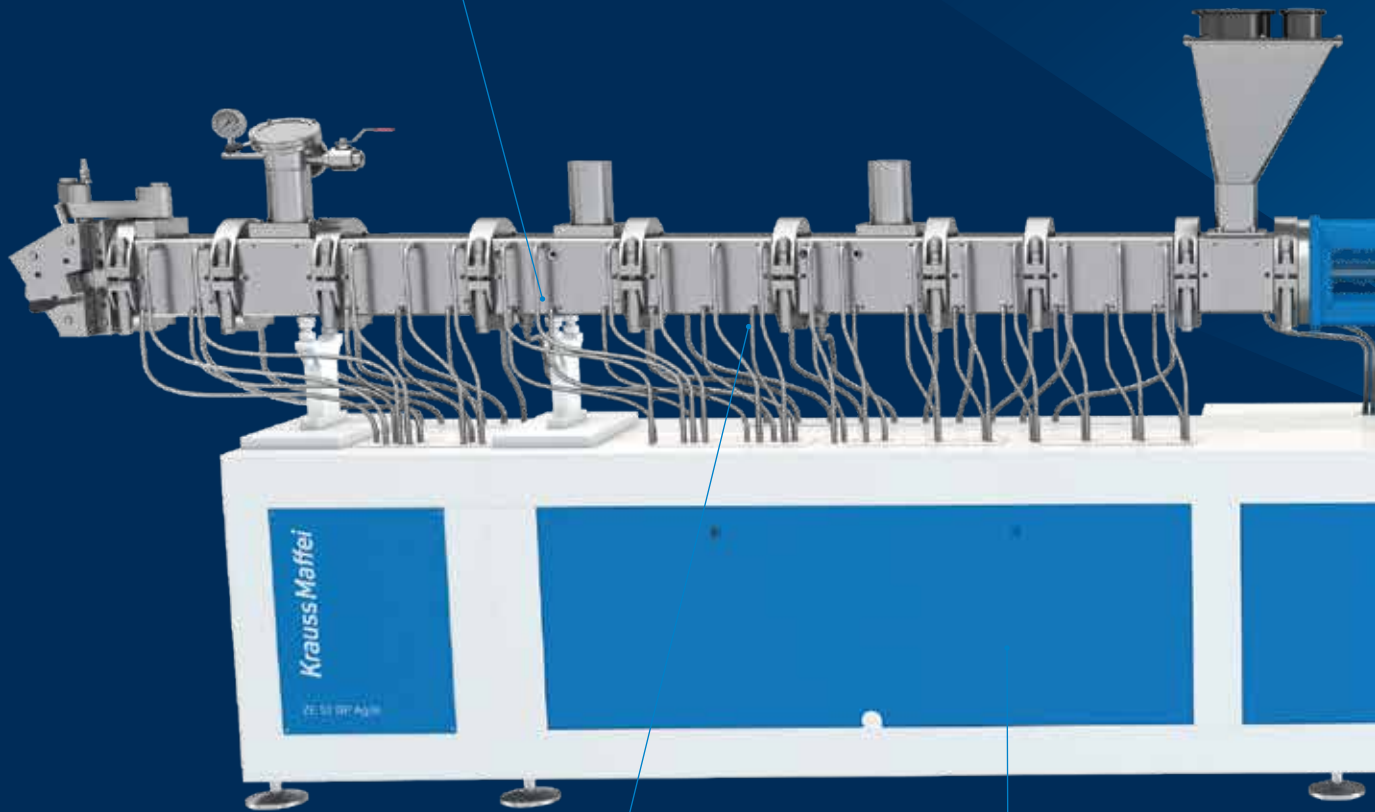
Another highlight: The ZE GP Agile is backed by the extensive KraussMaffei service portfolio. Thanks to the perfect combination of well-adapted wear materials, efficient maintenance and various remote functions with a worldwide service and spare parts network you are able to exploit the full potential of your twin-screw extruder at any time.

## **The ZE GP Agile offers the following decisive benefits:**

- Closely intermeshing, self-cleaning screw profile
  - Easy adaptation to different process tasks thanks to the modular design allowing rapid changes to the process section (C-clamp connections)
  - Exceptional mobility with integrated controls and temperature control system
  - Available as high-speed version with a screw speed of up to 900 rpm
- 

# ZE GP AGILE KEY FEATURES IMPRESSIVE HIGHLIGHTS AT A GLANCE

Long-lasting barrel elements  
of various designs  
with an L/D ratio of 4D and 6D



Screw elements  
with a D/d diameter ratio of 1.55 specifically  
tailored for standard compounding applications

C-Clamp Barrel design  
for reduced downtime

**High-performance gear units**  
with mechanical safety clutch for  
safe torque transmission

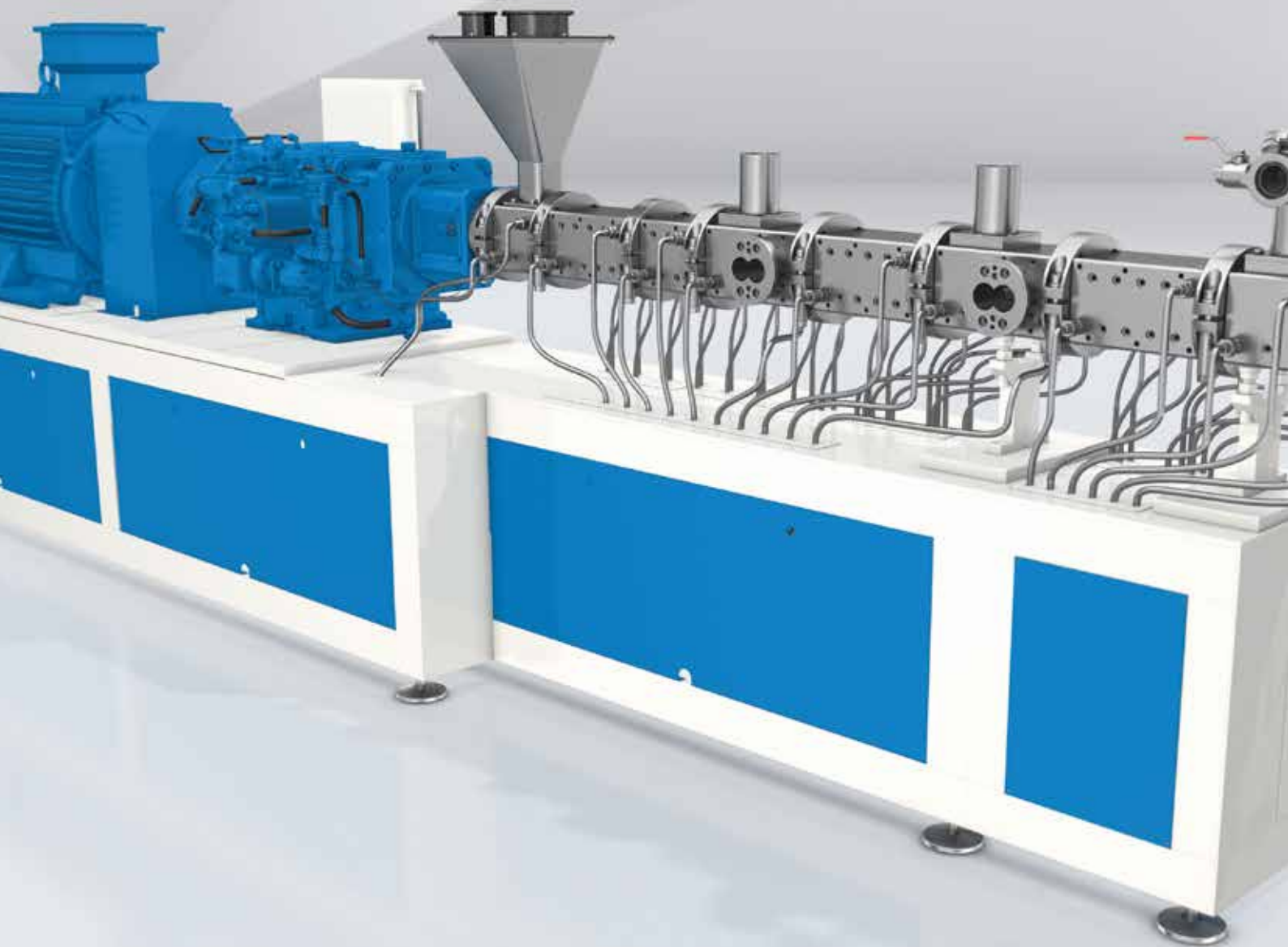
**Process Control**  
for easy control and monitoring  
of process tasks and machine  
configuration



**Drive motors**  
for high energy efficiency

**Compact base frame**  
with integrated pull-out temperature  
control unit and oil lubrication system

# UPCOMING CHALLENGES IN A FAST MOVING MARKET



**High torque density**

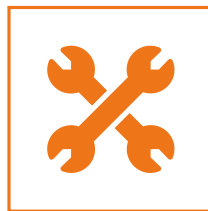
Maximum output for torque-limited applications.

COST PRESSURE  
CALLS FOR  
EFFICIENCY INCREASE

**Efficient energy consumption****4D / 6D design**

Unlimited process section length.

INCREASING  
ENERGY COSTS

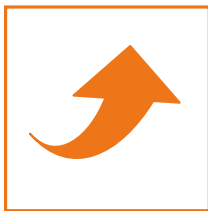
**Process Control**

Easy control and monitoring of process tasks and machine configuration.

**Integrated TCU**

Optimized space utilization.

SHORTAGE OF  
SKILLED LABOR

**C-Clamps**

Unique design for reduced downtime. Maximum flexibility to meet changing market requirements.

**Imported key-parts**

Gearbox and shaft for stable quality and high output.

FAST TURNING  
MARKETS REQUIRE  
FLEXIBILITY

**Upgrade your machine with optimum materials that are specifically tailored to your individual requirements**

Integrated base frame for space optimization.

PRESSURE FROM  
QUALITY STANDARDS

# OTHER HIGHLIGHTS!

The ZE BluePower series offers highly innovative solutions tailored to your specific requirements. These machines ensure maximum productivity along with exceptional efficiency and maximum ease of operation in compounding applications, film and sheet extrusion as well as in plastics recycling.



*Complete KraussMaffei ZE BluePower twin-screw extruder –  
perfectly prepared for Smart Factory solutions.*





## SYSTEMS ENGINEERING

- It's a rocky path to high quality products.
- Many interfaces involve many challenges.
- Benefit from our unparalleled turn-key solutions.
- Backed by proven partners we can offer you perfect system solutions with excellent reliability – from raw material preparation right through to tailored compound production.



# OUR WORLDWIDE EXPERTISE IS YOUR ADVANTAGE DIGITAL & SERVICE SOLUTIONS

With your KraussMaffei machine, you have chosen a product that delivers the highest levels of productivity and reliability. In addition to our range of machinery, KraussMaffei focuses on comprehensive and future-oriented solutions, innovative business models and an innovative portfolio of digital products.

#### Customer service at the touch of a button

The process of digital transformation is becoming faster and easier than ever for the customer. Our Digital & Service Solutions unit makes your production chain even more flexible and efficient with future-oriented solutions. KraussMaffei thus globally provides an all-inclusive customer service package and networks machines and processes with each other. Our global support offers a sound basis for your local long-term success.

#### Individual challenges in mechanical engineering call for intelligent solutions

With our services portfolio, we support you throughout your machine's lifecycle with a strong focus on your specific needs. In order to satisfy your wishes, we offer you a wide range of solutions in order to ensure maximum availability and optimum productivity of your machines.

#### Technology<sup>3</sup> as a unique selling proposition

KraussMaffei is the only supplier in the world with a product range comprising the most important machine technologies for plastic and rubber processing: injection molding machinery, automation, reaction process machinery and extrusion technology. KraussMaffei is represented worldwide with more than 30 subsidiaries and over 10 production plants as well as about 570 commercial and service partners. Working together with our customers and partners, we are thus in a position to offer vast and unique expertise in the industry.

You can find further information at:  
[www.kraussmaffei.com](http://www.kraussmaffei.com)

# KRAUSSMAFFEI – PIONEERING PLASTICS



## Extensive expertise from a single supplier

KraussMaffei is one of the world's leading manufacturers of machinery and systems for producing and processing plastics and rubber. Our brand has been synonymous with cutting-edge technology for over 180 years. Our product range includes all technologies in injection molding, extrusion and reaction process machinery. KraussMaffei has a unique selling proposition in the industry as a result. By drawing on our proven innovative capacity, we can guarantee our customers sustained additional value over their entire value-adding chain through our standardized and individual product, process, digital and service solutions. The range of our products and services allows us to serve customers in

many sectors including the automotive, packaging, medical and construction industries. We also supply manufacturers of electrical and electronic products and household appliances.

## At your service all over the world

KraussMaffei is represented all over the world. Subsidiaries provide you with support in the countries shown in light blue. Our sales and service partners take care of you in the regions shown in white.

You can find all contact information at  
[www.kraussmaffei.com](http://www.kraussmaffei.com)

# GERMAN QUALITY MEETS CHINES AGILITY.

## DISCOVER OUR ZE GP AGILE TWIN-SCREW EXTRUDERS

The ZE GP Agile series optimizes your production through exceptional cost-effectiveness. Benefit from a high degree of automation and maximum ease of operation to achieve stable production conditions in different compounding applications and unique product quality. Thanks to its exceptional flexibility, the ZE GP Agile is a perfect alternative that enables polymer producers to get well prepared for continuously changing market requirements.

The series is a high-class product, all components are produced either directly by KraussMaffei or in close cooperation with renowned Chinese suppliers.



***[kraussmaffei.com](http://kraussmaffei.com)***