



ZK COMPANY



- Medium-sized Company
- Managing Directors: Armand Bayer, Holger Friedrich
- Development, production and sales of EDM machines, handling systems and software solutions
- Manufacturing site: Brensbach im the Odenwald / Germany
- Sales network: Europe, India, East Asia and Central and South America



OUR VISION





OUR MISSION





ZK INGENUITY & COURAGE



"How can we achieve a reliable result in the shortest amount of time with minimum effort?"

We have been asked this question almost every day for the last 30 years.



UNSERE CORE COMPETENCIES



We continue to provide the answer with solutions for eroding, handling and software-controlled process optimization in tool and mould making.

To achieve this, we combine innovative technologies with a wealth of experience, bringing hardware and software into an unrivalled, efficient interplay.

Through precision, quality and process transparency, we support you on the path to modern production.



ZK EDM – genius SERIES





- High-quality EDM machines
- genius machine control user-orientated and fast programming
- State-of-the-art generator technology with low-wear gaugeblock tuning for graphite
- C-axis as standard, simultaneous 8-axis operation
- Steplessly movable dielectric tank (without emptying) on all machines



Latest platform of the IMtec erosion generator

ZK NOVA - THE NEW DIMENSION





ZK NOVA – MACHINE BASE



Thermosymmetric mineral casting construction

Acceleration up to 1G 10 m/sec²

Rapid traverse speed of 20 m / min in X/Y/Z

Fully encapsulated and integrated measuring systems

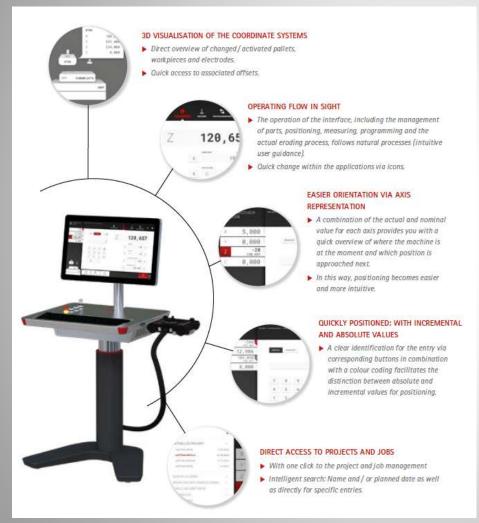
Integrated switch cabinet cooling (standard)

Tempered machine frame (option)

Manual or automatic centralised lubrication by SKF (option)



ZK NOVA – MACHINE CONTROL



- New user interface in an innovative design
- Control panel electrically heightadjustable, Windows industrial PC and 22-inch touchscreen
- Digital handwheel for manual target positioning, ergonomically shaped, fully integrated 4-axis joystick control and integrated LCD display (availability of all important setup functions)



ZK EDM – PRIORITY SURFACE



... large-format homogeneous surface Samsung cover

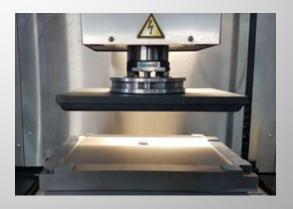
Workpiece 200 x 300 mm

Workpiece material steel 2073

Electrode material graphite SGL R 8710

No. of electrodes 2

Surface VDI 22 / Ra 1.2 µm





ZK EDM - SIMULTANEOUS 8-AXIS OPERATION



The intelligent control system enables you to control 8 axes synchronously as eroding axes. A real plus for you if you have to process complex geometries or free-form shapes. This allows you to control the optimisation of processes with large quantities easily and efficiently.



Transfer weight up to 250 kg / reach up to 2,700 mm Maximum efficiency with flexible production cells, fully automatic across multiple processes with minimum

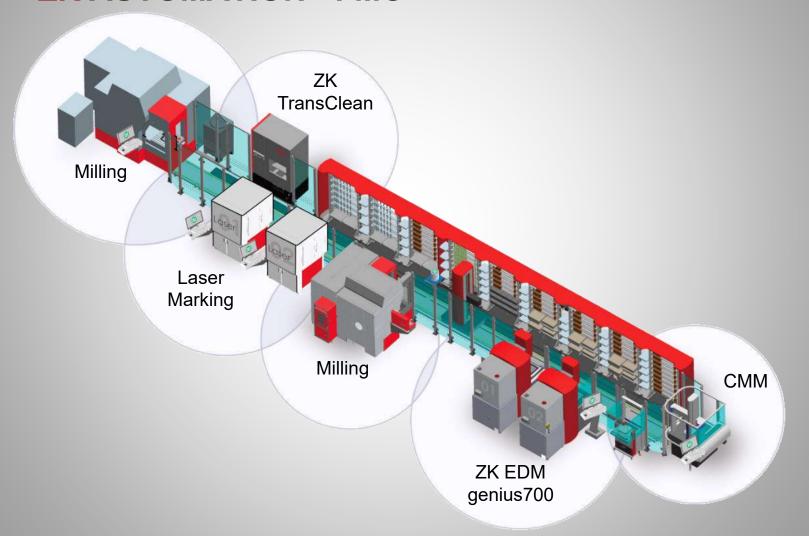
space requirements

ZK AUTOMATION



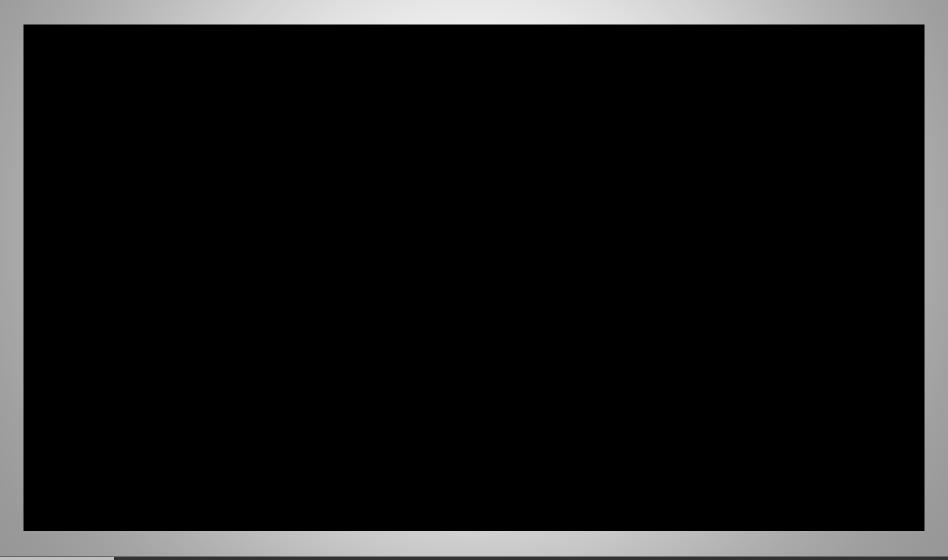


ZK AUTOMATION - FMC





ZK AUTOMATION



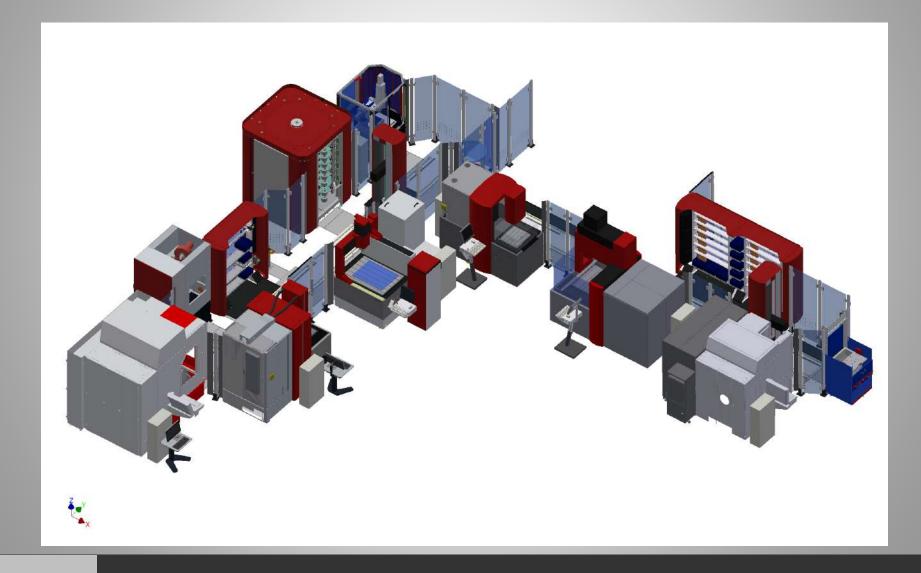


ZK 24/7 – SMART SOLUTIONS



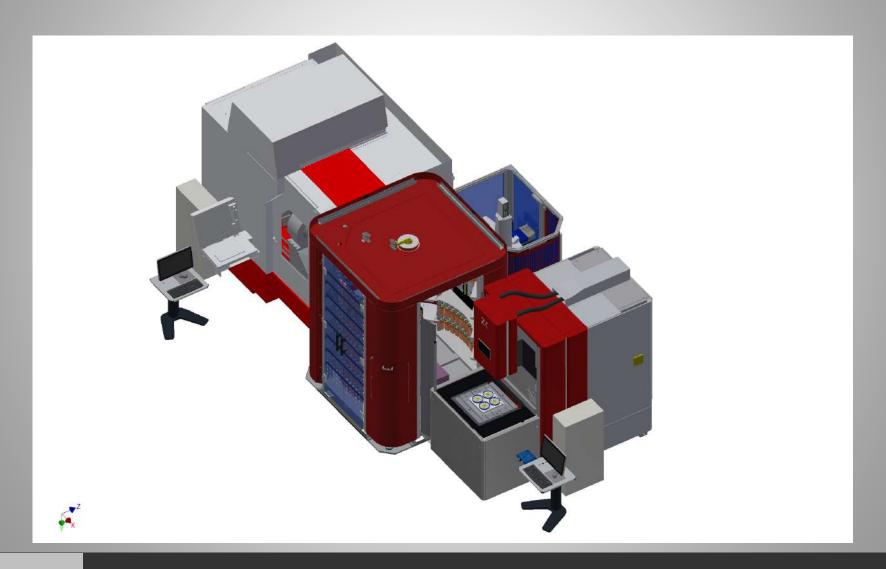


ZK AUTOMATION - LINEAR





ZK AUTOMATION - QUAD



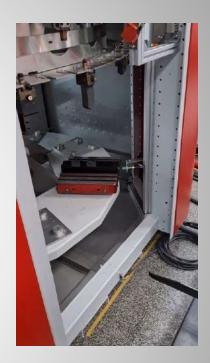


ZK AUTOMATION – ROTATING MAGAZINE







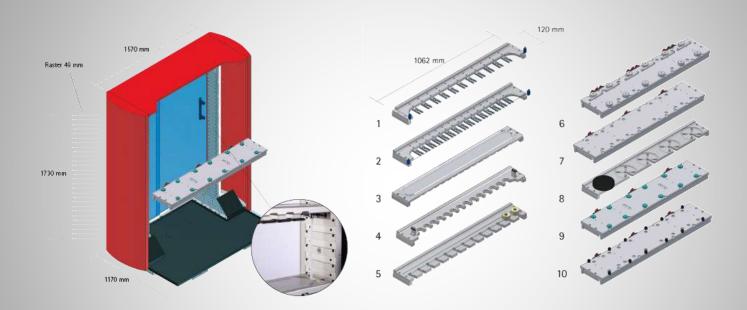


Overall size (W x D x H)
Weight
No. of storage spaces for electrodes
Max. electrode weight
No. of storage locations for pallets
Max. transfer weight for pallets
Max pallet size

2026 x 2026 x 2575 mm
Ca. 2000 kg (Basic)
64Stk./Ebene EROWA ITS50, max. 512 pc.
8kg
8 Stk. EROWA UPC 320
120 kg
320 x 320 mm

ZK AUTOMATION – FLEXIBLE SHELF SYSTEM





The Chameleon Handling System works with the standard clamping systems:

- System 3R Dynafix/ Macro
- EROWA ITS / PowerChuck / UPC / PalletSet W
- PARTOOL PowerGrip
- Hirschmann H 8 11.32



ZK STANDARD INTERFACES











GF Machining Solutions



LASERTECHNIK









ACSYS



FANUC





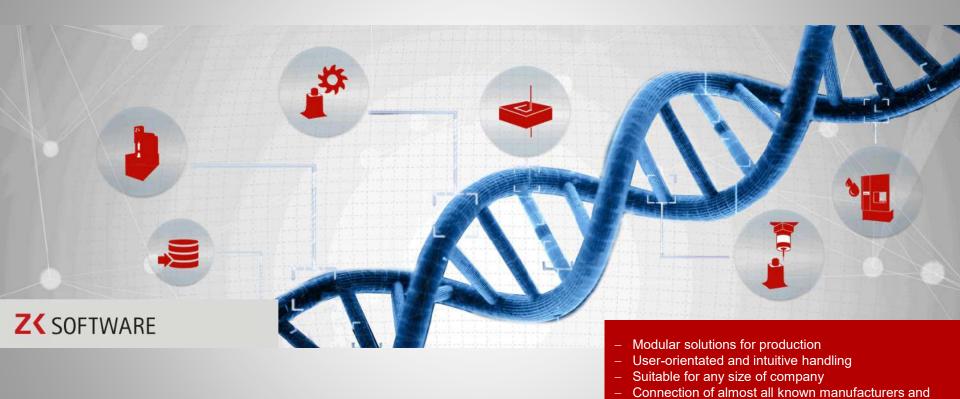








ZK SOFTWARE



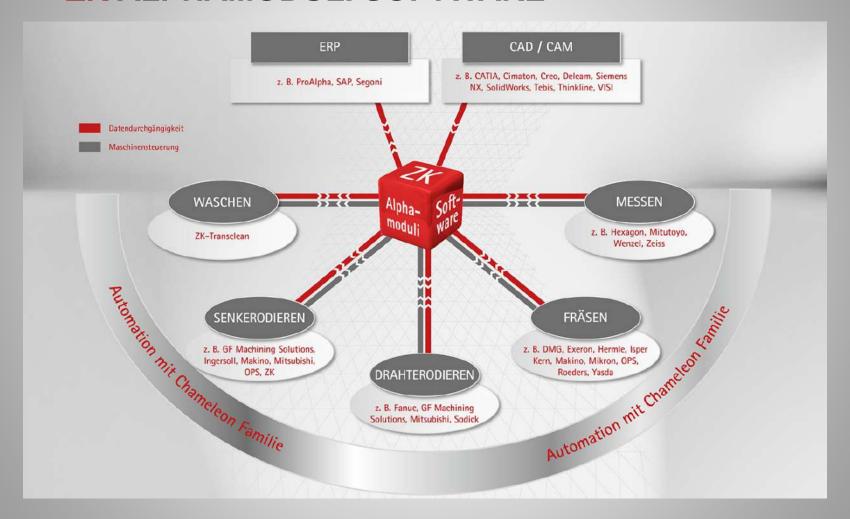
production technologies

knowledge between experts

 Access to the ZK Academy, the training programmes and the technology centre enables the exchange of

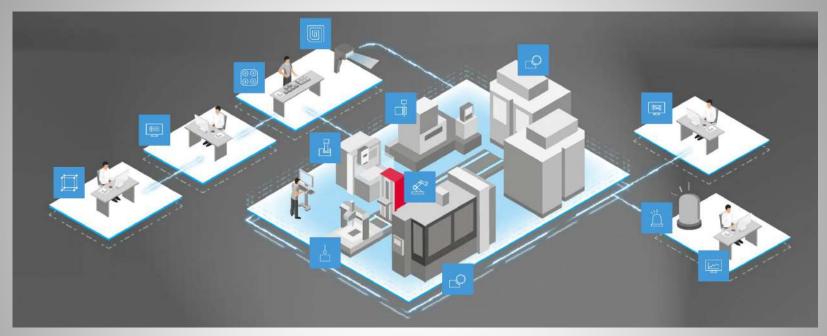


ZK ALPHAMODULI SOFTWARE





ZK ALPHAMODULI SOFTWARE



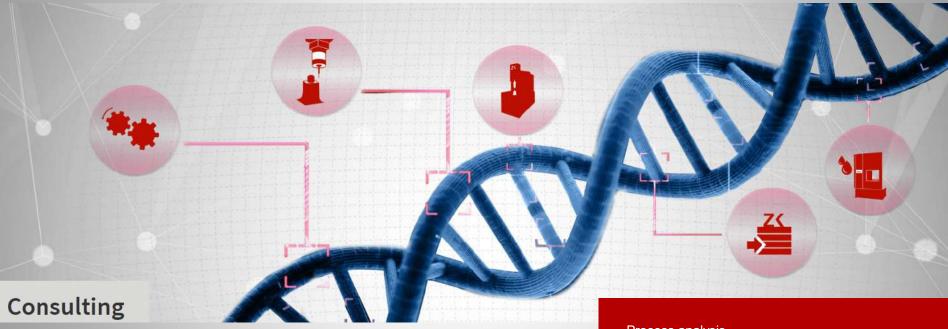
Alphamoduli at a glance:

The ZK Alphamoduli software is a flexible system for production control and process management for tool and mould makers and small series production from batch size 1. Alphamoduli allows you to control and automate your production shop and systems simply and intuitively. You remain flexible because the software adapts to any company size and any process sequence. And it is open to all manufacturers and technologies.

Alphamoduli: the software for greater transparency, efficiency and performance in your business. Simple, fast and flexible..



ZK WHAT YOU CAN EXPECT



- Process analysis
- Project planning
- Installation and customizing
- ZK Academy The Expert Centre
- Start-up support
- Technology training
- Service



ZK REFERENCE CLIENTS















Kraus & Naimer



RUAG



















SHARING EXPERTISE

B BRAUN





FORMEN- UND WERKZEUGBAU















Flaig+Hommel Gruppe





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