



WELCOME

LASCO Umformtechnik – Your partner for over 160 years





LASCO UMFORMTECHNIK

Your needs. Our solutions.

Year of foundation: 1863

Main areas:

- Machine tools for solid and sheet metal forming
- Production lines for building materials
- Automation technology
- Special machine building

Headquarters: Coburg, Bavaria, Germany

Number of staff: Approx. 500 worldwide



WORLDWIDE SALES

Geared to the requirements of the markets

3

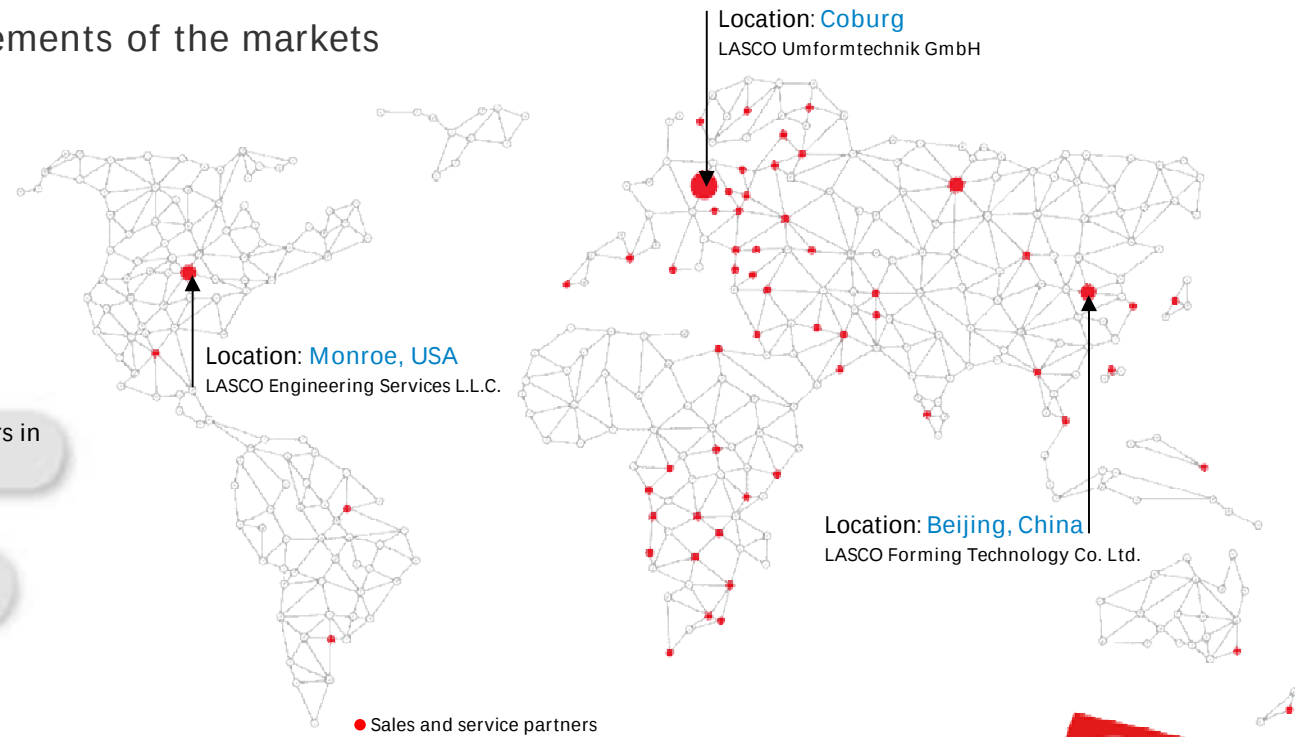
locations on
3 continents

48

sales and service partners in
60 countries

100

countries of use all
over the world



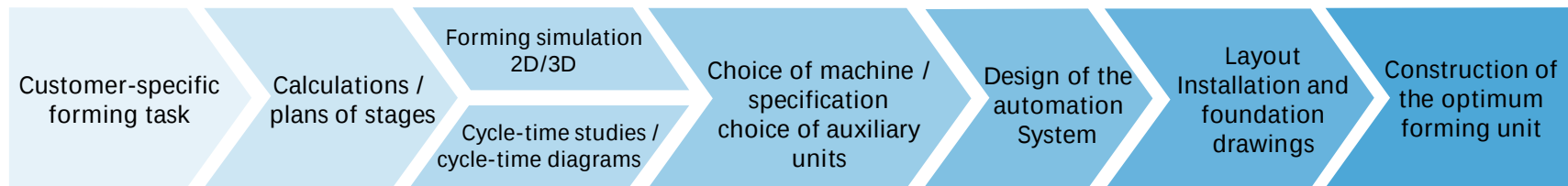
OUR COMPETENCIES

Why we are among the technology leaders



PROJECT PLANNING

From the first idea to the solution ready for production





PRODUCTION/ASSEMBLY

Quality made in Germany

- Area 12,000 m²
- Max. crane capacity 145 t
- Max. hook height 11.70 m
- Max. pit depth 7 m





CONTRACT MANUFACTURE

Machine components, assemblies, machines and production lines

- Milling: 160 t/piece, 6,000 mm length
- Welded constructions: up to a part weight of 50 t
- Turning: up to 1,110 mm (diameter) x 9,000 mm (length)





SERVICE – AFTER SALES

Competent support

- Service hotline
- Remote maintenance via Internet
- Remote Assistance System (real-time collaboration)
- Maintenance and repair
- Spare parts service



APPLICATIONS - FORMING TECHNOLOGY

Cross-sectoral



PRODUCTION LINES FORMING TECHNOLOGY





HYDRAULIC FORGING HAMMERS

suitable for a wide range of forgings

- Hydraulic double-acting hammers, blow energy 10 – 200 kJ
- Hydraulic counter-blow hammers, blow energy 160 – 800 kJ





SCREW PRESSES

Forming with short strokes and high repeat accuracy

- With direct drive
- With frequency converter
- Safe for hard-on-hard blows (SPP) or with slipping clutch (SPR)
- Nominal press force 1 – 50 MN
- Working capacity 2 – 1,400 kJ





HYDRAULIC FORGING PRESSES

for solid forming

- High-rigidity frames
- High forming speeds
- Short pressure dwell times
- Press force 2,500 – 100,000 kN
- Types: VPA, VPE, VPZ, KP, KFP, TP





HYDRAULIC MULTIPLEX PRESSES

for sheet metal and solid forming

- | | |
|-------------------|----------------------------|
| • Function | pressing, drawing, blowing |
| • Press force | 3,150 – 16,000 kN |
| • Forming impulse | 22 – 80 kJ |





HYDRAULIC DEEP-DRAWING PRESSES

for sheet metal forming

- For difficult parts and special materials
- Press force 2,500 – 40,000 kN

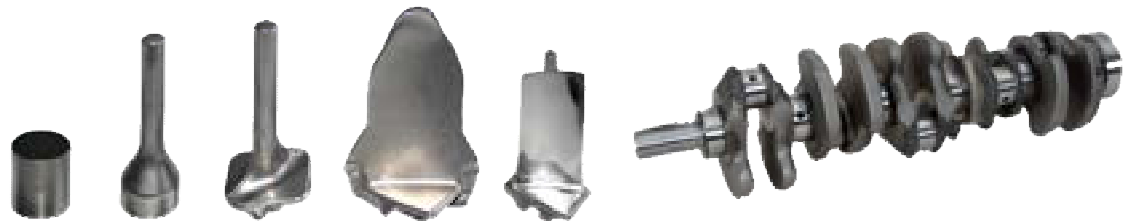




MULTI-AXIAL PRESSES

Multiaction presses

- Several independently controllable press axes
- Hydraulic multi-axial press MAP „Fleximat“:
vertical forming force up to 15,000 kN,
horizontal upsetting force up to 10,000 kN
- Hydraulic horizontal forging machine „HWS“:
upsetting force 2,000 – 20,000 kN

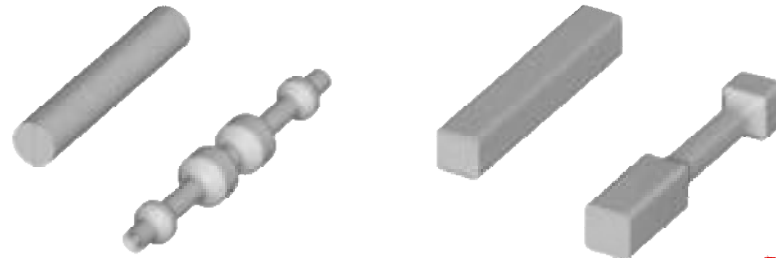




ROLLING MACHINES

Material savings through material predistribution

- Material savings of more than 30 %
- Cross wedge rolls: roller diameter 350 – 1,400 mm
- Forging roll: roller diameter 350– 1,000 mm
- Axial feed cross roll: roller diameter 630 mm
- Skew rolling mill: roller diameter 300 – 600 mm



STRETCHING LINES

with servo motor driven manipulator



- Production of a variety of workpieces without time-consuming retooling
- Fully automatic stretching line AR:
press force 100 – 5,000 kN
- Fully automatic stretching line AR-D:
press force 10 – 10,000 kN

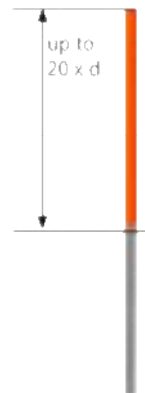




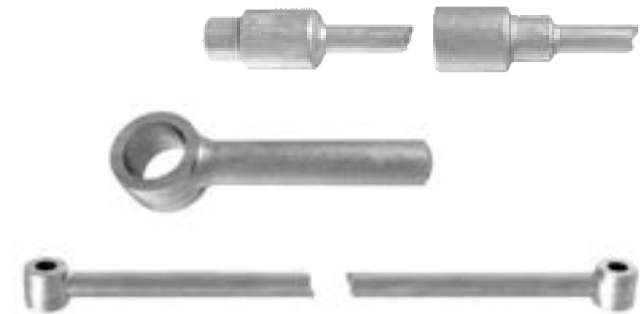
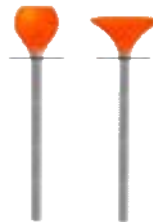
ELECTRIC UPSETTING MACHINES

push the limits of mechanics

- In horizontal and vertical design
- Capacity: 10 – 500 kVA
- Easy to automate



Sequence of operations valve production



AUTOMATION SYSTEMS

More precise / faster / more economical



- Separation
- Handling and interlinking systems
- Image processing systems
- Gripping technology
- Tool changing systems
- Die care systems



PRODUCTION LINES – BUILDING MATERIALS

Strong types for demanding tasks

Hydraulic single-acting
compacting press



Hydraulic double-acting
compacting press



Vario-block press

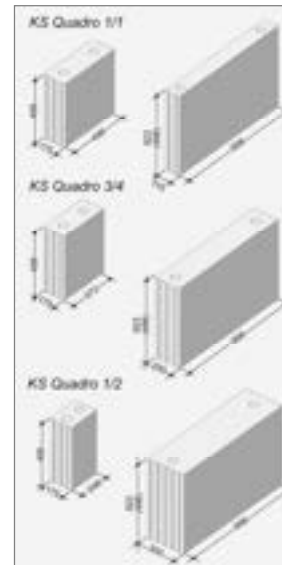


BUILDING MATERIAL MACHINES

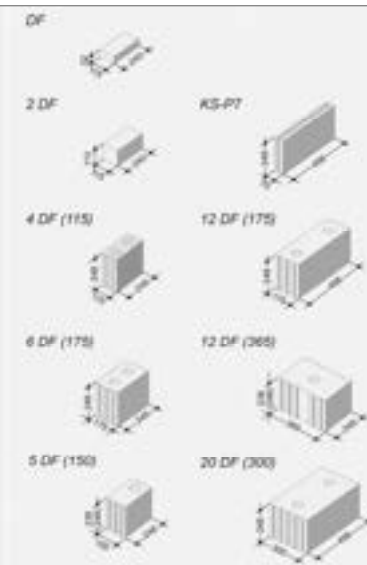
Hydraulic double-acting compacting press KSP as single machine or production line



Large formats
KSP850/1050/1250:



Medium-sized formats
KSP 401/801:

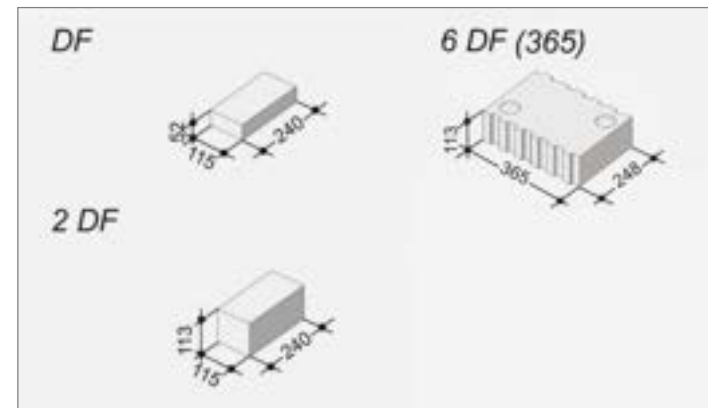


BUILDING MATERIAL MACHINES

From the first idea to the production-ready solution as a single machine or production line



KSE formats

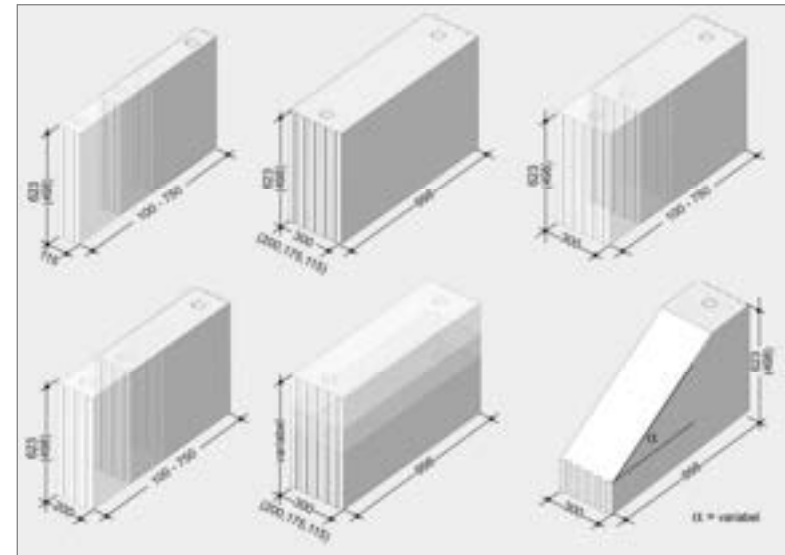


BUILDING MATERIAL MACHINES

Vario-block press series PSP



Wall building elements and vario-blocks PSP systems





BUILDING MATERIAL MACHINES

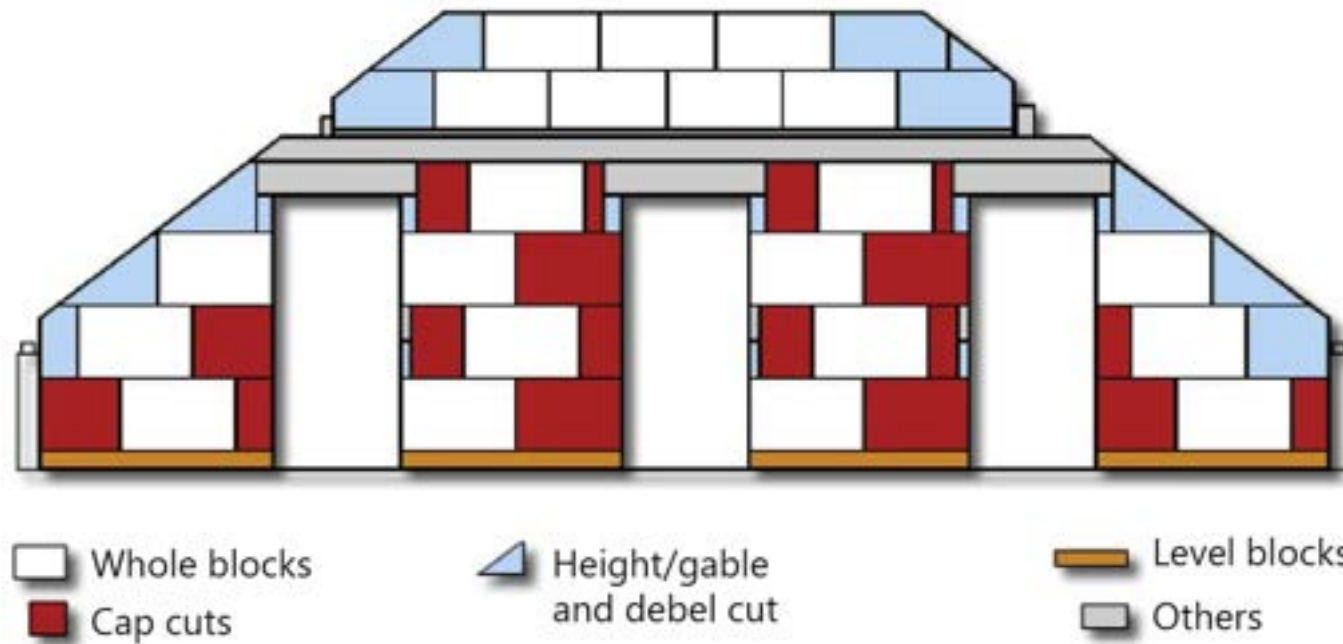
Sawing machines for the sand-lime block industry

- Bevel slopes
- Door and window cut-outs
- Supply channels for cables and tubes
- Possible cutting types



BUILDING MATERIAL MACHINES

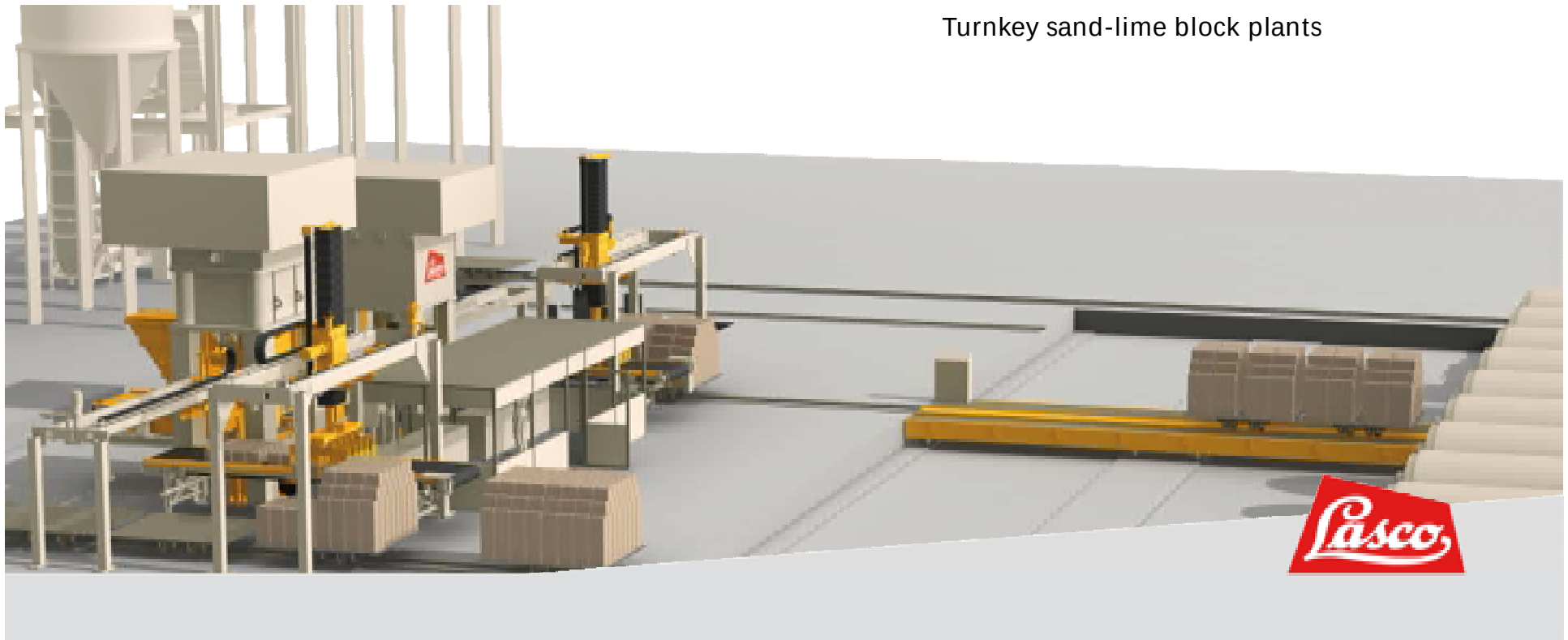
Possible cutting types



PRODUCTION LINES – BUILDING MATERIALS

Strong types for demanding tasks

Turnkey sand-lime block plants



AUTOMATION SYSTEMS

More precise / faster / more economical



- Separation
- Positioning and stacking
- Gripping technology, vacuum gripper





VIRTUAL COMMISSIONING

Simulation of complex systems

- Simulation of real process parameters
- Shorter project duration
- Lower commissioning and assembly costs
- Training of staff at an early stage
- Modifications to the overall process of the plant possible without shutdown



INTERNET-BASED LASCO MAINTENANCE SERVICES

Real-time collaboration



INTERNET-BASED LASCO MAINTENANCE SERVICES

Real-time collaboration



INTERNET-BASED LASCO MAINTENANCE SERVICES

Your benefits at a glance



Quick response time



Cost savings



Secure data exchange



Targeted troubleshooting



Fault diagnosis



Lessons learned



Fault elimination



Real-time monitoring



Maintenance schedule



brose
Technik für Automobile



LEIBER
GROUP



MAHLE

Fissler



Estwing



sona
Forging Powertrain



martin
Steuer- und Informationstechnik



PARSAN
HARTING PARCALUM SAGATE S.L.



HILTI

GEDORE
WERKZEUGE FÜR'S LEBEN

VAN BEEST



the Crosby group

TRW
Automotive

BENTELER

Snecma
SAFRAN Group

NTN



CHAN NEL LOCK

cb
Cooper & Turner

UNIOR
Professional Tools



Waldmann Forgings
Europe AG



Setforge

xella

StanleyBlack&Decker



HUBCO



OTTO FUCHS



EATON
Powering Business Worldwide



WORTHINGTON
INDUSTRIES

BHARAT FORGE
KALPANI

EGi
E.ON Group, Inc.

HEIDELBERGER KALKSANDSTEIN
HEIDELBERGCEMENT Group

Hirschvogel
Automotive Group

BEINBAUER
GROUP



WEIDMANN



STROJMETAL
aluminium forging



RAYMOND BARRE S.A.

Albert Pielhau

Lasco

Thank you very much for your attention!



Partners der Nachhaltigkeitsinitiative
des Maschinen- und Anlagenbaus

