

Design and construction of low tension plants

- > use of modern electroCAD systems WSCAD® and ePlan® 5
- > design according to international rules and requirements
- > competent, also in the fields of drive, field bus, safety and network technologies
- > continuous marking
- > rational installation technologies
- > in-house manufacture of electric cabinets
- > complete worldwide service, from technical advice to commissioning, based on an optimum knowledge of the product
- > technical support and operator training

Electric power engineering

- > KÜNKEL-WAGNER offers matching system components for your automation – from power engineering to visualization facilities of leading manufacturers
- > competent in the application of rotary current technologies, variable frequency drive systems and servo technologies up to field bus systems
- > modern power engineering for automatic moulding plants, from the electrically powered turntable to the electric indexing line

Hydraulic control technology

- > power and control engineering with specifically prepared cycle/time-diagrams, wiring diagrams and piece lists; manufacture of pneumatic control systems
- > competent in the economical selection of pumps and cylinders, the perfect choice of valves and controllers, the determination of the proper filtering technique, the selection of the most sensible connection and assembly technique, the choice of suitable accessories and the manufacture of control blocks and collective connector plates
- > in-house manufacture of control blocks, equipped with valves and functionally tested
- > project handling
- > use of modern fixation systems and line systems

Control system

- > worldwide available hardware and software components of renowned manufacturers
- > application of commonly used PLCs of manufacturers such as SIEMENS, ALLEN BRADLEY and SCHNEIDER ELECTRIC
- > interconnection with bus and network systems (Industrial Ethernet via TCP/IP, profibus, Datahighway, ...)
- > also in the field of field bus systems we are always up-to-date and can offer to you a technically and financially attractive plant design
- > programming of hydraulic control systems
- > worldwide remote maintenance of our control system

Operating & Observing

- > the KÜNKEL-WAGNER control system is a modular design and offers different operational modules in addition to the basic version
- > worldwide available standard hardware components
- > open and standardized interfaces of hardware and software
- > international application possible due to multilingualism including even pictographic Asian languages
- > additional functions for maintenance and upkeep
- > depending on the size of the plant you will receive an individual PC or a Client-Server-Architecture with several operator stations and operator panels which are additionally distributed in the plant
- > use of redundant process interworking of servers possible (no loss of data if a server breaks down)
- > the pictures of the plant show all major process information, fault messages, plant parameters, recipes, etc.
- > the plant can be operated and analysed completely over the visualization system

Your partner for foundry plant and equipment - worldwide:

- > Automatic moulding plants
- > Individual moulding machines
- > Complete sand preparation plants
- > Sand mixers, return sand coolers, polygonal screens for bentonite-bonded moulding sand
- > Sand reclamation plants for mixed residual sand
- > Semi-automatic pouring devices
- > Automatic rotary die casting systems
- > Automatic low-pressure die casting systems
- > Foundry handling equipment:
Automatic core conveying and assembly systems
- > Moulding boxes, plant components etc.
- > Control technology

HEADQUARTERS:

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