

Kurtz Particle Foam Machines

AHEAD COMPLETE GLOBAL

AHEAD



AHEAD – Leading Solutions of the World Market Leader for the processing of particle foams

Being part of the Corporation, Kurtz GmbH is one of the most important innovation drivers of Kurtz Ersa. In the particle foam machine sector we are world market leader in the processing of particle foams and innovation driver of the branch.

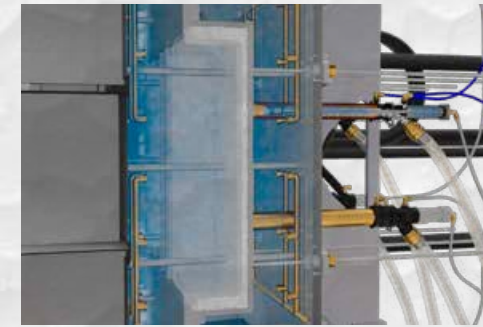
In the group-owned development and technology center, the coordinated Kurtz team with its experienced developers and engineers is working on innovative solutions that will provide our customers a competitive lead on the market.

Industry 4.0 is already being implemented within the Kurtz GmbH – more and more digitally connected plants and components are the basis for a more productive and process-reliable interaction between man and machine.

Learn more about our machines and options – contact us!

- Kurtz Central Management 4.0
- Kurtz Process Optimiser 4.0
- Kurtz Eject Control 4.0
- Kurtz Motion Optimiser 4.0
- Kurtz Injector Maintenance 4.0
- Kurtz Automation





Kurtz Central Management 4.0

Mobile control station & production system with worldwide access



- Production monitoring via world-wide data access
- Digital process data collection
- Steam management, recipe and mould administration



- Easy management & control
- Optimising of production processes
- Quality increase

Intuitive User Interface

Intuitive user interface on excellent basis

- Real time process data
- Individual user level, modular structure
- Graphic display of individual process steps

- Self-explanatory menu navigation and operation
- Independent from platforms

Kurtz Process Optimiser 4.0

Automatic determination of process parameters for ideal production cycle

- Adaptive parameterization of process steps
- Independent of the materials and moulds used
- Automatic generation of step enabling conditions

- Optimized energy consumption and quality
- Fast mould installation
- Repeatable quality
- Fewer specialists



Kurtz Eject Control 4.0

Identification of not demoulded parts

- Visual demoulding control
- Camera monitoring of male and female side, automatic adaptation to light conditions
- Automatic stop in case of demoulding problems

- Avoiding of mould damage
- Reducing of machine standstill times
- Reduction of wast



Kurtz Motion Optimiser 4.0

Hydraulics setting automatically adjusted to moulds

- Hydraulics determine optimal settings individually
- Optimising of movement
- Exact crack positioning ($\pm 0,1$ mm)

- Reduced wear of guiding elements
- Raw material saving
- Repeatable quality



Kurtz Injector Maintenance 4.0


Display of fill injector condition i-CAP with KISS maintenance station

- Proactive maintenance of filling injector
- Status transparency of filling injector range
- Data control of filling injector use

- Increased productivity and availability of production plants
- Less waste
- Projectable maintenance
- Lower energy consumption



COMPLETE



COMPLETE – We are Your Powerful Partner!

From the first consultation to the completely finished solution

In times of Industry 4.0 productions have to become more flexible and cost-efficient. An important factor here is process automation. From intelligent filling injector maintenance to semi- and fully automatic handling systems.

Kurtz offers anything you may need for the processing of particle foams. From individual machines to complete plants for which we can plan the entire production process.

Our portfolio is enriched by Kurtz Services. From project planning to commissioning and maintenance. We are pleased to advice and support you with our comprehensive know-how 24/7.



Kurtz Pre-Expanders

Kurtz pre-expanders are the basis for the processing of particle foams guaranteeing evenly foamed products in superb quality.

- For the processing of EPS and EPP material
- Flexible adaption to all requirements
- Reliable control and reproducibility
- Reduced material logistics



Kurtz FOAMER

No matter whether shuttle, in-mould skinning or lost foam applications – no limits are set on the production of mouldings with the Kurtz FOAMER machines:

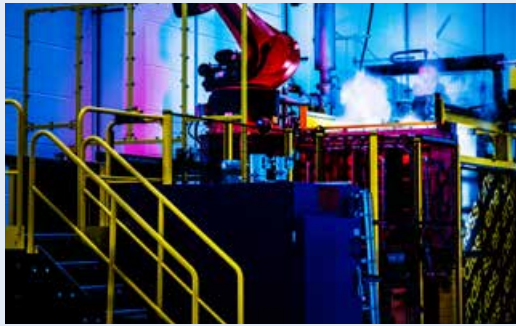
- Automotive industry
- Construction and packaging
- Sports and leisure
- etc.



Kurtz BLOCK FOAMER & Cutting Lines

Kurtz block mould plants fulfill highest technological standards and stand for a maximum flexibility. Kurtz cutting lines are characterized by the fastest cutting speed.

- Adjustable block dimensions (length and width)
- Maximum productivity and quality
- Reproducible quality
- Short cycle times



Automation

With the support of our intelligent handling and automation systems potentials for increased efficiency are raised ensuring a short ROI.

- Semi or fully automatically operated removal of mouldings
- Individually adapted material flow concept
- Quality check, marking, stacking, packing
- Latest state of the art technology



Kurtz Complete Plants

Our engineering team will realize for you complete solutions for the moulding or block production with highest productivity, flexibility and profitability.

- Consulting on suitable foaming process
- Realization all over the world
- Constant support



Kurtz Services

Only highest plant availability and process controllability will secure the decisive competitive advantage to our customers.

- 24/7 availability worldwide
- Analysis of operating costs, valuation of production plants
- Extensive spare part supply, also via web shop
- Remote Service 4.0

GLOBAL





Headquarter of Kurtz GmbH in Kreuzwertheim



Kurtz Zhuhai, China



Kurtz North America, Plymouth, USA

GLOBAL Competent, fast, any time, worldwide.

Our first production plant, a water-driven iron hammer works goes back to the year 1779. We see it as our task to preserve this historical industrial monument as visible symbol for our sustainable corporate development.

Also our production processes are constantly improved regarding sustainability. Already during the development of a new product, for example, our engineers care for an optimized usage of resources.

Market leader technology

Started with the Kurtz shape moulding machines on the German market in 1971, since many years we have been providing direct local support on the international markets. North America has been maintained by Kurtz North America since the 1980s, among others their service offerings include rebuilds for an even longer lifetime of our machines.

Since 2003 we have been present on the Asian Market via our Chinese daughter Kurtz Zhuhai Manufacturing. We are, however, continuing to pro-

duce in Germany, where in 2013 at the Kurtz headquarter in Kreuzwertheim a new production hall came on stream.

With 14 locations all over the world we set new benchmarks to increase our customer's productivity to a higher level.

Our experienced teams are working together on an inter-divisional and transnational basis. We are at home in all cultures and realize your requirements competent and in time. Just contact us – we are looking forward to!

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