

Press Release 08-2014

Kronos revolutionizes the cutting process

It is unlikely that such great importance has ever before been attached to the quality of pellets. The reason: Highly functional special pellets are currently driving a paradigm shift. Things that were previously manufactured using metal are now made of plastic. Increasing demand means tough times for plastics producers as every minute of production time counts. The innovative Anhold & Schönenberger pelletizing tools feature long service life, maximum cutting precision and comprehensive service throughout their entire life cycle. And their efficiency and cost effectiveness are tangible benefits for plastics producers.

Anhold brings enhanced pelletizing expertise to Schönenberger

The deal was sealed in March this year: Pelletizing experts Anhold Industry GmbH and H. Schönenberger GmbH, specialists for industrial tungsten carbide cutting tools, are pooling their plastics expertise following the takeover of Anhold by Schönenberger. This happened at just the right time, as plastic producers worldwide are facing ever greater challenges as the result of increasingly complex and high-quality material compositions. In particular, there's literally more to compounds with a high proportion of additives or glass – as well as masterbatches – than meets the eye. And industry constantly comes knocking with new functional requirements. For example, plastics have to be much harder, lighter or more durable. And each of these scenarios requires high-quality tools that are precisely tailored to the process at hand. And what is more, the only suppliers who can assert themselves in the long term are those that can meet every new specification. So innovation is a daily requirement. Thanks to the expansion of its pelletizing expertise, Schönenberger now offers a comprehensive range of cutting tools – from cutting rotors and cutting blades to hot cut knives – as well as a full range of equipment for the production of pellets.

Kronos, the intelligent cutting rotor

The best example of the company's problem-solving expertise and innovativeness in the field of plastics is the Kronos cutting rotor, a world first. This cutting rotor is already considered to be a technological benchmark and is a credit its namesake, Cronus of Greek mythology. "This innovation is one of a kind. Kronos is based on joining the cutting rotor knife, made for example of tungsten carbide, with the rotor body. The cutting rotor knives are inserted into specially cut form-fit mounting slots without the use of any clamping devices or screws. As a result the rotor remains completely stress-free, an essential condition for a precision cutting and long tool life," says Andreas Süss, product manager at Schönenberger, describing the innovative design principle. The wedge shape of the cutting rotor knives means that it is not weakened even after several sharpening cycles. In the past, sharpening always cost a lot of time and, in the worst case, resulted in machine downtime, but Schönenberger is pleased to announce that this is now a thing of the past. "We support the entire tool life cycle – from initial process consulting to the grinding process – directly from the production site in Deizisau near Stuttgart. Professionally and in the shortest possible time. We have set up a dedicated pickup and delivery service to achieve fast turnaround. And for international customers, long-standing partners assume this responsibility," says Süss.

About Schönenberger:

Schönenberger is a successful family-operated business headquartered in Deizisau, near Stuttgart. For over 50 years the company with its 60 highly qualified employees has been a global technology leader in the production of cutting tools for the paper, printing and plastics industries. The family name is closely associated with customer focus, quality and innovation. These qualities guarantee a successful, growing enterprise. Competent sales partners around the world ensure the appropriate customer proximity.

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