Hufschmied Zerspanungssysteme GmbH, specialist for material-optimised high-performance machining, has expanded its tool range by the new SC blades for exceptionally smooth and clean ultrasonic cutting. Compared to conventional blades, these newly-developed monobloc blades offer a cutting performance increased by up to 100% together with a ten-fold increase in vibration amplitudes.

Thus, they allow a highly-accurate separation of materials without fraying, combined with significantly higher feed rates and less tool wear. These SC blades have been developed together with existing manufacturers of ultrasonic cutting systems.

No chips as in milling, no angled edges as in laser cutting: Hufschmied Zerspanungssysteme is introducing a series of innovative SC monobloc blades to the market that are suited to the precise and efficient separation of even the most challenging materials like honeycomb, foils, skins, CRP and GRP weaves.

Innovative SC blades for extremely smooth, clean ultrasonic cutting
Highly accurate material separation without fraying
Higher feed rates, less tool wear
For challenging materials like honeycomb, foils, skins, as well as CRP and GRP weaves

Increased Cutting Performance – Higher Oscillation Frequencies
Precision-cutting of Honeycomb with Monobloc Ultrasonic Blades

Hufschmied impresses by in-depth user knowledge, competent process consultancy and high-quality products for economically efficient machining processes. Leading suppliers from the automotive and aerospace industry have been successfully relying on Hufschmied for years. We are manufacturing our process-optimised tools in state-of-the-art manufacturing facilities and safeguard their quality by using high-end measuring machines of the latest generation.

No matter which processing task you have to master, at Hufschmied not only will you find the perfect tool for it, but benefit from user advice in the form of our in-house developed Time-Saving-Concept. With this systematic user support, an impressive decrease of processing time together with a significant increase in processing quality of polymer machining is made possible. Simply follow our recommendation and you will see: With these innovative tools, you, too, can manufacture even more efficiently.

Hufschmied Ultrasonic Blades – making the most of state-of-the-art cutting systems

INFO
Hufschmied cold cutting blades – outstanding quality also for the process of cold cutting
Using the cold cutting method for cutting scores, foils and skins, the cold cutting blades from the POWER BLADE range by Hufschmied achieve a superb service life combined with the highest level of cutting quality. Contact us – we will be happy to advise you.

User Knowledge for the Optimisation of the Production Process
The comprehensive concept for making the processing of demanding materials faster and better

Highest efficiency with outstanding precision and less tool wear

The quickest way to find out everything about Hufschmied Zerspanungssysteme: Just scan the QR code and off you go!
Together with a generator of the latest generation, you will increase both quality and the highest level of accuracy and reliability. Combined with a generator of the latest generation they also achieve the highest efficiency and flexibility. A comprehensive display of all pertinent information and allowing a simple exchange of set-point and actual values as well as driving the system with the aid of a programmable logic controller. Furthermore, retrospective data retrieval and display is usually possible without any effort. Cutting blades are available for both G1 and G2 interfaces – other interfaces on request! For the operation of cutting blades, a one-off purchase order for the corresponding functionalities (G1 or G2) is required.