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## CSC (Curve Segment Cutting) CurveMax Milling Cutters

### Contact Details

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The new CSC (Curve Segment Cutting) CurveMax milling cutters from tool manufacturer Inovatools not only reduce processing times for finishing complex free-form surfaces in tool and mold construction, turbine blade production, and complex component geometries in general machine engineering, but also enhance surface quality compared with the full-radius mills previously used for these tasks.



CSC CurveMax milling cutters are available in a conical or tangential design. The four-edged cutter from Inovatools is ideal for finishing applications.

Tobias Eckerle, product manager at Inovatools, explains: "The CNC strategy is a prime example of how we've combined the latest high-performance CAM software with powerful processing centers and innovative new tooling to develop pioneering new cutting techniques."

The new CurveMax milling cutters from Inovatools feature special geometries to permit larger path distances and line jumps during pre-finishing and finishing. The working radius is larger than that of a traditional full-radius mill, yet the tool still has the same diameter. The new process increases surface quality and significantly shortens processing times.

Eckerle continues: "Powerful processing machines can calculate the optimum path for our new CurveMax tools to make maximum use of our unique tool geometry. As well as enhanced surface quality and shorter production times, our CurveMax milling cutters significantly boost productivity; at some point in the future, they will completely replace traditional full-radius mills."

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