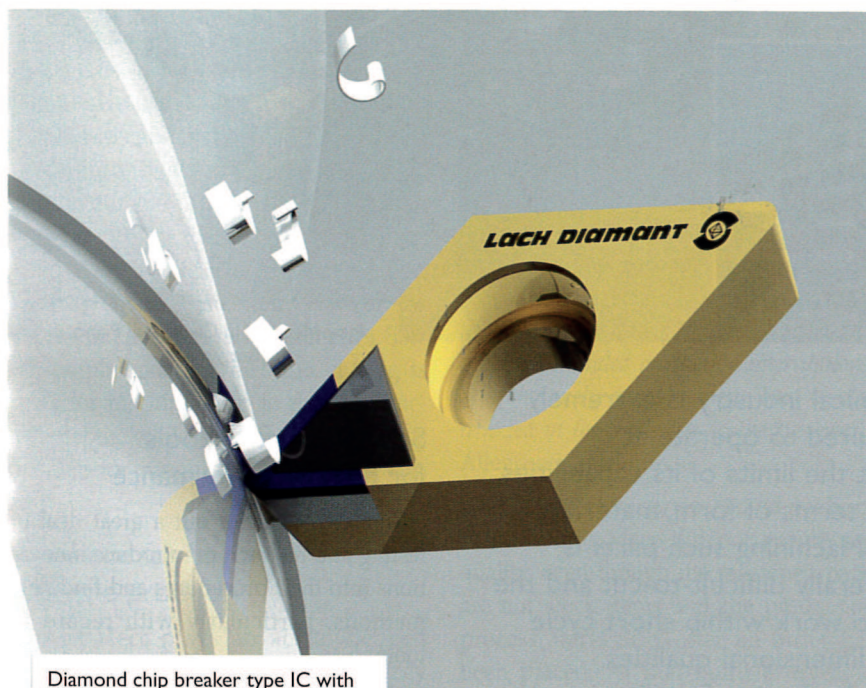


Diamond Chip Breaker Type IC-plus “outshines” Laser-Manufactured Chip Breakers



Diamond chip breaker type IC with active chip breaker and positive cut from 0.1 mm feed depth.

Since the first patent application for the laser-manufactured chip breaker type CO (Patent EP 1023961) in January 1999, LACH DIAMANT developed once again a quantum leap innovation.

This sensational invention shows solutions for all aluminium machining – aluminium wrought alloys and copper alloys – as well as during use of MQL – which would not be possible with traditional laser-manufactured PCD chip breakers. An example are chip breaker models, only recently described as state-of-the-art, which create chip breaking from feed rates above 1.0 mm.

The new invention of the diamond chip breaker type IC-plus appears to be an all-rounder with, so to speak, titanic powers

During fine finishing, type IC-plus will reliably generate chip breaking – even with a feed of 0.1 mm (!) – and is therefore ideal as active chip breaker for machining thin-walled or unstable components. Roughing with a feed of up to 5 mm – depending on the size of the diamond cutting edge.

There will be no heat development, even at maximal use, due to the special construction. Recommended cutting speeds are 800 – 2500 m/min with feeds of 0.05 - 0.3 mm/R.

As all other chip breaker types CO – IS which were developed in the last 17 years, model IC has also been patented (EP 2067552). (15516-06)