DLCS is a modified diamond-like carbon coating with enhanced load bearing capacity. A hard, durable metal-based layer (chromium nitride) provides an higher hardness surface and increases the resilience of the superposed, tribologically effective carbon coating. Coating prevents high heats which is detrimental to cutting tool performance and will remain fully effective after use.

**Extreme Coating Hardness**
>HV 2.500

Offers impressive hardness on cutting areas of the tool and superb protection against abrasive wear and stress resistance.

**Minimal coating thickness**
μm 2-4

The minimal micron coating guaranteed perfect sharpen edges for high cutting quality.

**The lowest coefficient of friction**
0,1-0,2


**High Working Temperature**

Less overheating! The coating guarantees working temperature up to 400° preserving the cutting edges from wear.

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**BENEFITS**

**DLCS CHROME COATING**

provides 3 times longer life than uncoated tools!

Test performed in U.S. with ½” solid carbide compression spiral bit

**MACHINE:** Felder Profit H10 Nested Base/Overhead CNC Router

**WORKING PARAMETERS:** RPM = 18,000 - Feed = 20 mts/minute

**MATERIAL:** 19mm Melamine Chipboard

**APPLICATION:** Nesting Full Dimensioning

**PERFORMANCE:**
- DLCS coated bit cut 165 melamine panels
- Uncoated bit cut 56 melamine panels

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**Felder Profit H10**  **DLCS coated bit**  **Melamine Chipboard**  **Cut quality after 165 panels**