

The CGI revolution

Putting you in the driving seat





The CGI success story

Compacted graphite iron cylinder blocks and heads have become a vital part in today's modern diesel engine production, essential for manufacturers wishing to maintain a competitive edge. As a stronger material that can absorb more power, CGI offers the improved performance and fuel economy to meet new emissions standards and the efficiency needs of a highly competitive motor industry.

CGI is a tough material. Machining effectively can be a demanding task, without the knowledge, experience and support of the leading pioneers in this area.

Let Sandvik Coromant put you on the road to CGI success.

“a partnership of the very latest cutting tool strategies and innovations from Sandvik Coromant can take your potential in large series engine manufacture to new heights”

Roughing



CoroMill 365

Maximum process security at the lowest cost per part with **CoroMill 365** – a faster, more predictable performance for machining centres and transfer lines.

Sandvik Coromant has developed optimized inserts, grades and geometries for CGI machining, in dry and wet conditions.

Finishing



Sandvik Auto-FS

The **Sandvik Auto-FS**, a well proven and power efficient finishing concept. This extra close pitch cutter is designed for facemilling to very fine surface quality at high feed rates.



Cylinder boring

Streamlining the most critical CGI engine operation – the **Sandvik Auto 260.20** cutter provides maximum efficiency roughing of cylinder bores at low cutting forces.



Sandvik Auto 260.20



CoroMill 390

The 90° tool

A 90° shoulder milling cutter for excellent surface quality. **CoroMill 390** is the high feed option offering good accessibility, ideal for small faces or spot faces in transfer lines and machining centres.

Drilling

Sandvik Coromant drilling concepts to improve CGI performance and offer the ultimate tooling flexibility.

CoroDrill 880 – the first indexable insert drill with the perfect cutting balance, for best results in larger holes. Offering improved surface and closer hole tolerances, all at higher feed rates.

CoroDrill Delta-C 842 – solid carbide drill to meet productivity needs in smaller diameters, where good performance is essential in guide holes and mounting holes.

Tailor Made

Additional tooling options for step and chamfer drilling, with Tailor Made design.



CoroDrill 880



CoroDrill Delta-C 842

CGI machining solutions from Sandvik Coromant.
The new cutting edge in engine manufacture.



Sandvik Coromant leads the way

The role of tooling supplier in this competitive market is an important one, as Netherlands based DAF trucks recently found out when making the change to CGI for the production of the MX diesel truck engine, designed to meet new Euro emissions standards.

In partnership with customer and machine tool maker, we provided a turnkey tooling concept through our vision for effective CGI machining. A combination of special tooling, standard products and superior application knowledge enabled DAF to

meet their high production standards in this demanding material.

The end result was a cleaner, lighter, higher performing diesel engine.

Get it right first time with Sandvik Coromant, your CGI productivity partner.



Contact your local Sandvik Coromant representative for more information.

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