The future is under pressure

CoroTurn® HP

Coromant Capto® tools for High Pressure Coolant

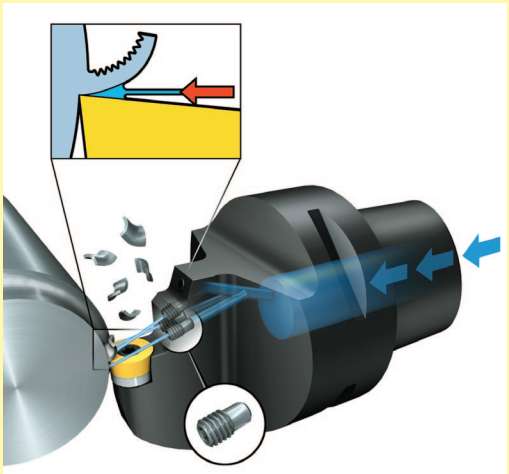
The future is under pressure

CoroTurn HP, a pioneering high-pressure coolant system combined with Coromant Capto, harnesses the high pressure capability of 70-80 bars in turning centres, vertical turning lathes and multi-task machines.

Accurate coolant jets with laminar parallel flow are easily channelled through the Capto coupling. The jet produces a hydraulic wedge, lifting the chip, reducing the temperature and improving chip control.

Improved chip control allows unmanned production in:

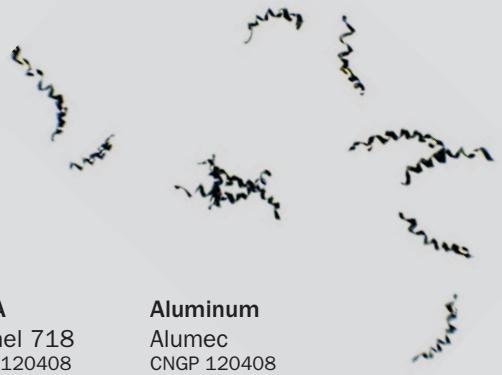
- High volume production with automatic component changing in turning centres
- Multi-task machines where chip gathering around the tool prevents automatic tool changing

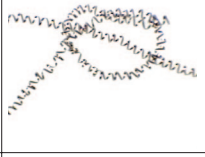
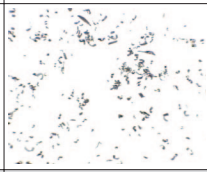
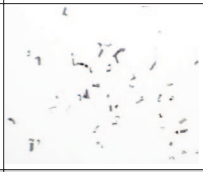


- *Chip control in finishing - secure trouble-free production in all materials*
- *+20% increased cutting speed for roughing in difficult materials*
- *+50% tool life in roughing – finishing difficult materials*

How much better chip control?

A sample of some of the impressive results from various materials at a depth of cut of 0.25 mm and a feed rate of 0.15 mm/rev.

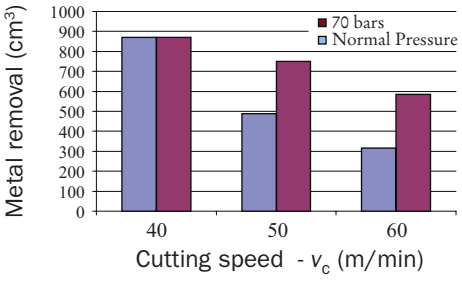


	Steel SS1672 CNMG 120408-PF 4225	**Stainless steel** Sanmac 316L CNMG 120408-MF 2025	**Titanium** Ti6Al4V CNGP 120408 H13A	**HRSA** Inconel 718 CNGP 120408 S05F	**Aluminum** Alumec CNGP 120408 H13A
Standard Coolant					
70 bars HPC					

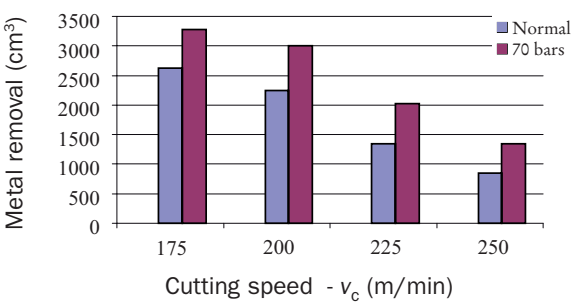
Compare the difference

The tests below show the results of metal removed with CoroTurn HP in different materials.

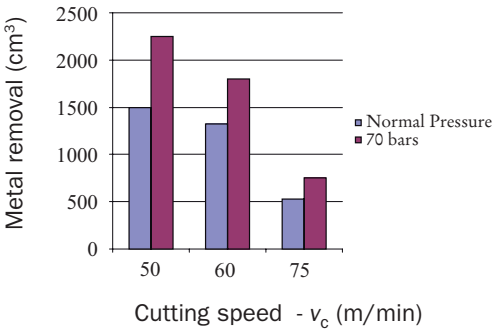
Inconel 718 (46HRC)
CNMX 1204A2-SM S05F
a_p 2.5, f_n 0.3

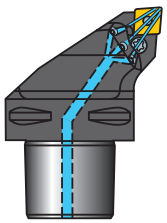


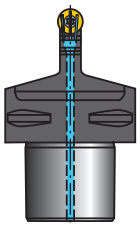
Stainless Steel - Sanmac 316L
CNMG 120408-MM2025
a_p 2.5, f_n 0.3

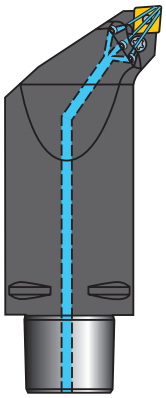


Titanium - Ti6Al4V
CNMX 1204A2-SM H13A
a_p 2.5, f_n 0.4









Assortment

Multi-task machine assortment has a long gauge length allowing turning, facing and internal machining. An all-round tool with no need for adaptor and better clearance for copying.

Coromant Capto®

Area	Ordering code	Insert style	l_1	f_1	a_r
Gen turning	C5-PCLNL-35060-12HP	CNMG 12	60.0	35.0	
	C6-PCLNL-45065-12HP	CNMG12	65.0	45.0	
	C6-PDJNL-45065-15HP	DNMG15	65.0	45.0	
	C6-PSSNL-45056-12HP	SNMG12	56.0	45.0	
Multi task	C6-PCMNN-00115-12HP	CNMG12	115.0	0.0	
	C6-SVMBL-00130-16HP	VBMT 16	130.0	0.0	
	C6-PCLNL-45165-12HP	CNMG12	165.0	45.0	
Aero	C6-SRDCN-00065-12HP	RCMT12	65.0	6.0	28
	C6-SRSCL-45065-12HP	RCMT 12	65.0	45	

For more information please check our catalogue supplement, main catalogue or visit www.coromant.sandvik.com.

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