

# **HE** HITECH MILANO **EUROPE**

METALLOGRAPHIC SAMPLE PREPARATION



CUT OFF SAWS

**C SERIES**  
**251/301**

# METALLOGRAPHIC CUT OFF SAWS C SERIES

The metallographic cut off saws branded Hitech Europe have been designed to be powerful and precise. The base is made by cast aluminium and the cover by painted stainless steel. The large shatter-proof viewing window is in high density polycarbonate for a perfect view inside the cutting chamber, facilitated by the LED system illuminating the area \*.

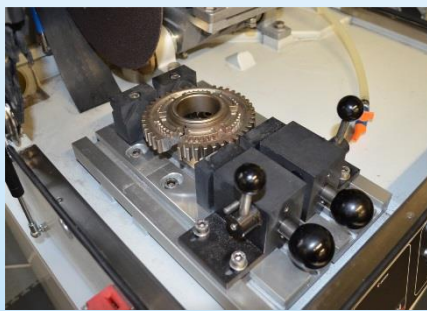


**C251**



**C301**

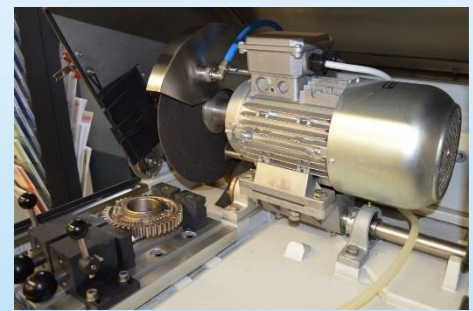
## THE CONSTRUCTION FEATURES



Quick acting vice system (short shaft), opening 180mm min.



Coolant re-circulating system with pump and sump assembly, Included in the C series machines

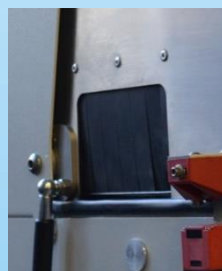


Inverter controlled motor (C301 models only) to operate with a constant tension, gives more efficiency to the motor reducing noise.

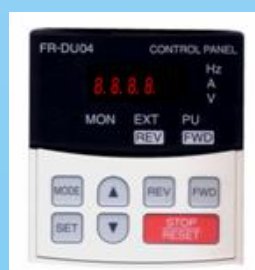
The Inverter also allows to adjust, in the best way, the rotational speed of the motor and, consequently, of the wheel, in order to optimize the cutting process in accordance with the peculiarity of the sample



Flushing hose to keep the working top clean from residues.



Left Rubber sealed side port for long bars



LCD Display useful for the reading of the cutting wheel speed (optional for C301)



Microswitch Safety system

## ACCESSORIES

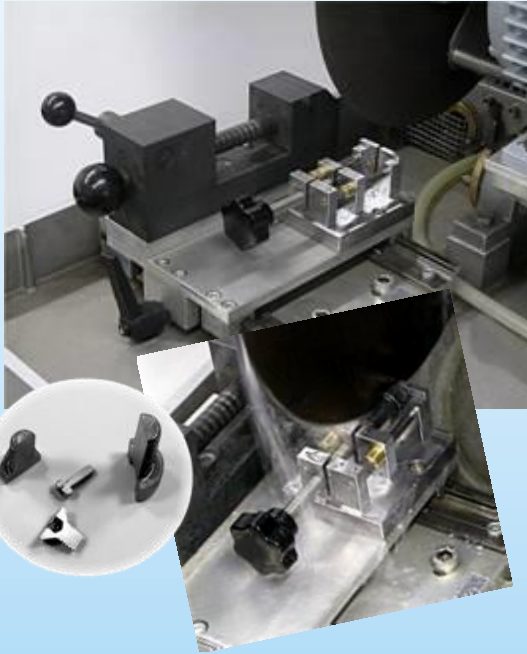
The C series cut off saws are suitable for the installation of a lateral traverse working table (code 03-15-TATL-E). This device makes an easier displacement of the vice, by mean of an outer micrometric control, with a significant saving of time in the cutting procedure



II The **DOUBLE WHEEL** system consists in pairing two cutting wheels, separated by a spacer, for the cut of samples tightened by a special interwheel vice. (Kit for C 251: code 03-1525DM-C Kit for C 301: code 03-15-30DM-C). This version allows to operate also with one cutting wheel.



The "DUO" system is a very interesting invention: an especially studied base for vices (code 03-15-TATL-D) allows the installation of a standard vice or a quick acting vice plus a special V shaped vice for the longitudinal cut of very small samples (50 mm. max. length), with round or hexagonal section (typical sample : screw bolt from 3M to 16M). The best solution to obtain a perfect section in the maximum diametric point.



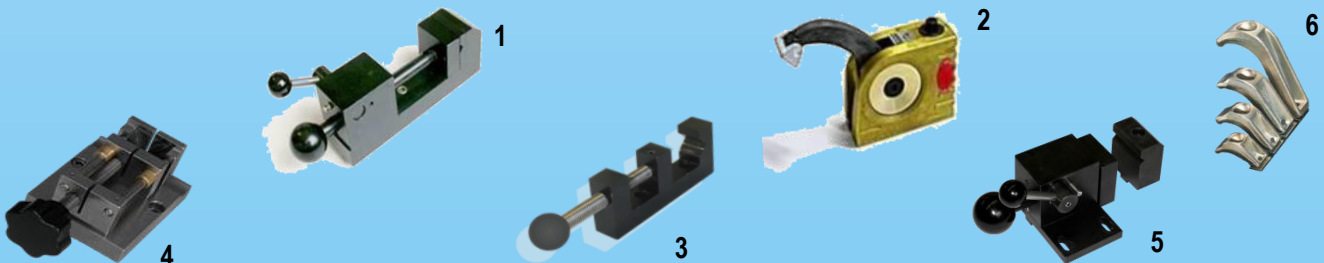
A specially designed free standing cabinet allows to store the sump assembly, wrenches, spare wheels, and vices.

(code AR003-T)



## THE VICES

From the simplest one (the quick acting vice 1) to the special ones (Kopal 2 and Lenzkes 6) to offer a wide possibility of choice to the operator. Furthermore, the special vice for the double wheel system 3 for a double, simultaneous cut, and the V shaped vice 4 "bolt-cutter" for the "DUO"





# TECHNICAL FEATURES

MODEL	C 251	C 301	C 251 PB	C 301 AT
Code	02-15-251-A	02-15-301-A	02-15-251PB-A	02-15-301A-A
Cover color	Off -white	Off -white	Off -white	Red
Dia. Cutting wheel	250 mm	300 mm	250 mm	300 mm
Cutting capacity up to	80 mm	90 mm	80 mm	90 mm
Motor Power	2.2 KW	3.0 KW	2.2 KW	3.0 KW
Motor	Autobreaking	Inverter	Autobreaking	Inverter
Speed (RPM)	3000			1500/3000
Variable speed (Optional)	No	Yes	No	Yes
Power supply	380/400V – 50Hz – 3ph (440V – 60Hz only C301 with Inverter)			
Low tension panel	Yes			
Touch Screen	No			Yes
Safety limit micro-switch	Yes			
Left Rubber sealed side port	Yes			
Right Rubber sealed side port	No	Yes		No
Illuminated cutting chamber	Option			
Coolant re-circulating system	Yes			
Cleaning system	Yes			
Bases for vices	1			
Dimensions (mm.)	650x650x720			650x850x720
Weight (Kg)	95			130

## Accessories:

Free standing cabinet	Lateral traverse working table
Quick acting vice	Double wheel system
Kopal clamp	DUO <sup>®</sup> system
Lenzkes clamp	
Illumination LED system	

**tecmet 2000** supplies a wide range of high quality consumables for the preparation of metallographic samples:

- Abrasive cut off wheels
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- Abrasive suspensions
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- Polishing cloths
- Magnetic system

\* Ask for the Consumables Catalogue



**HITECH**  
MILANO **EUROPE**

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