CHETO

CNC DEEP HOLE DRILLING WITH MILLING

www.cheto.eu

SiC Series 6 Axis

OUR PRODUCTS & DESIGN

CC MODEL

1000

5 Axis

PWN MODEL

1000 / 2000 / 3000

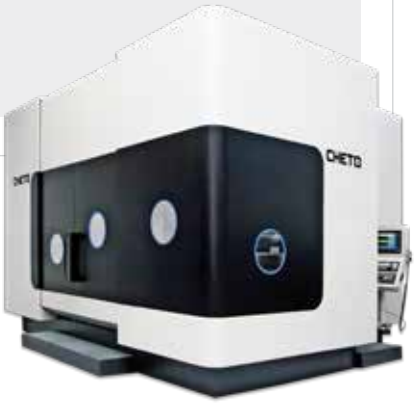
IXN MODEL

1000 / 2000 / 3000

6 & **7** Axis

MT MODEL

1500 / 2500



SIC MODEL

6 Axis

- Efficient **Deep Hole Drilling** with **Milling** for **Small Size Parts**
- Working **5 Faces** on a **Single Setup**
- **3+2 milling**
- **No Angle Limitation**

CE

Registered Design

Location

CHETO TECHNOLOGICAL CENTER:

Área de Acolhimento Empresarial
UI-Loureiro, Lotes 13-21
3720-075 Loureiro, Oliveira de Azeméis
Portugal
GPS. 40°48'00.5"N | 8°30'35.3"W

CONTACT US

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WORLDWIDE PRESENCE

INNOVATIVE CONCEPT
TO OPTIMIZE
DEEP HOLE DRILLING,
STANDARD DRILLING
AND MILLING

PME líder

PME excelência'16

CHETO

CNC DEEP HOLE DRILLING WITH MILLING

INNOVATIVE
machine tools

CHETO was officially established in 2009, when the founders started a project to fully develop a deep hole drilling and milling machine-tool up to 7-axis, specialized for the mold making and energy industry.

Since then, a continuous improvement and investigation allowed CHETO to offer the market a versatile product with high levels of accuracy and reliability.

This concept quickly positioned CHETO as a world-renowned brand. With machines sold in four continents, it is our goal to keep improving and innovating, to offer a highly competitive and value-creating product.

TÜVRheinland CERTIFIED

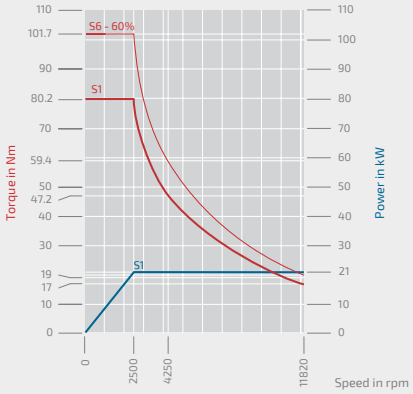
Management System
ISO 9001:2015
ISO 14001:2015

www.tuv.com
ID 9105076158

SiC650

CNC Axis		
W drilling stroke	1120 mm	44.0 in
X longitudinal travel	650 mm	25.6 in
Y' vertical travel	840 mm	33.1 in
Z cross travel	500 mm	19.6 in
B table rotation	360,000	
A table tilting rotation	+90°/-45°	
Drilling capacity		
Drilling capacity	ø3-25 mm	ø0.1-1.0 in
Milling capacity		
Milling	250 cm³/min	15.3 in³/min
Rigid tapping	M16	3/8""
Helical threading	Standard	
Spindle		
Spindle taper	HSK-A63	
Speed	0-11,800 rpm	
Power	21/26 kW	28/35 hp
Torque	80/101 Nm	59/75 ft-lbs
Automatic rotary table		
Table size	500x500 mm	20x20 in
Positioning type	360,000	
Max. load in rotation	750 kg	1653 lbs
Layout dimensions		
Total weight	13 Ton	28,660 lbs
Foot print (WxL)	6790x3160 mm	267.3x124.4 in

Spindle 21 kW 11,800 rpm



Subject to technical change without notice

SiC Small Indexable CHETO

— 6 AXIS

Registered Design

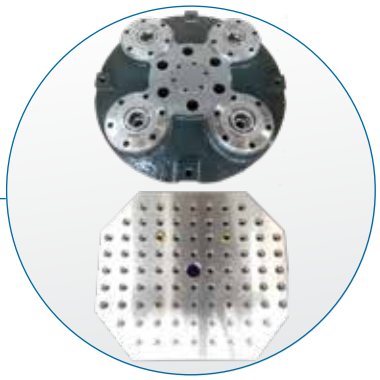
STANDARD EQUIPMENT

- CNC HEIDENHAIN TNC 640
- CNC FAGOR 8065 as optional equipment
- Electronic handwheel
- Digital drives
- Encoders in linear axis X, Y, and Z
- Angular encoders in rotating axis A and B
- Positioning table with continuous movement controlled with servo motor
- 3+2 milling
- External status led indication
- ATC 16 tools, L=400 mm | 15.7 in
- High-pressure pump 70 bar, 75 l/min | 1,015 psi, 19.5 gal/min
- Machine prepared to use emulsion or oil
- Coolant tank with automatic filtering
- Pumps for oil recirculation
- Automatic chip conveyor
- Quick change between drilling/milling
- Rigid tapping
- Complete cover with doors

SiC OPTIONAL EQUIPMENT

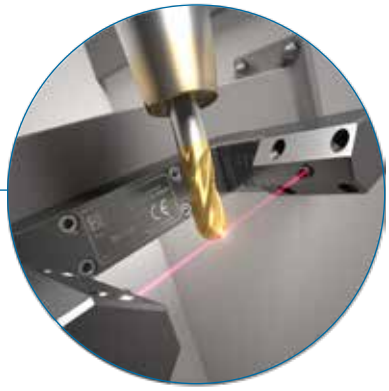
REFRIGERATOR FOR FLUID

TABLE WITH CLAMPING SYSTEM
AUTOMATIC DOOR



AIR CLEANING UNIT

LASER MEASURING SYSTEM BLUM NT MC A7-2
ELECTRONIC PROBE BLUM TC60



WISE active control
WISE SYSTEM

WISE SYSTEM

For more details, please contact us

WISE SYSTEM

TWO CONTROL OPTIONS

INTERFACE REQUIREMENTS

HEIDENHAIN TNC 640

FAGOR CNC 8065

END OF EXTRAORDINARY COSTS

ADAPT MACHINING PARAMETERS ONLINE

- Spindle torque
- Feed
- Coolant pressure
- Coolant flow
- Vibration

INTERSECTION

The system automatically detects intersections in the process and sets the parameters accordingly to keep the quality of the operation and to protect the tool lifetime.

PROCESS

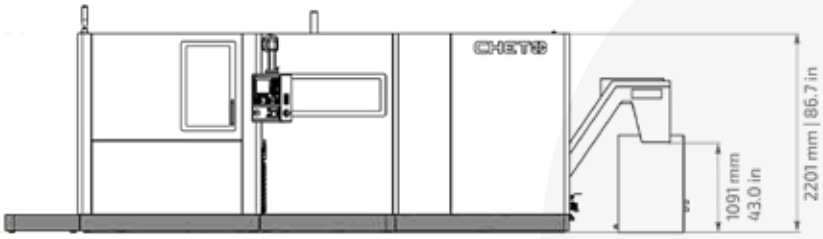
The system detects variations of the efforts of the process and automatically adjust the drilling parameters online to keep a continuous process.

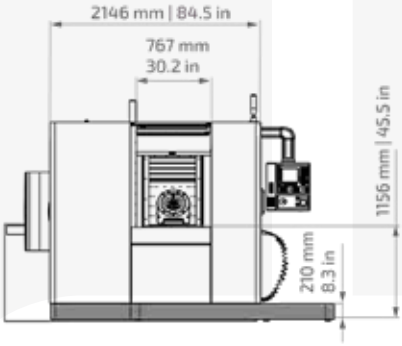
PATENT PENDING

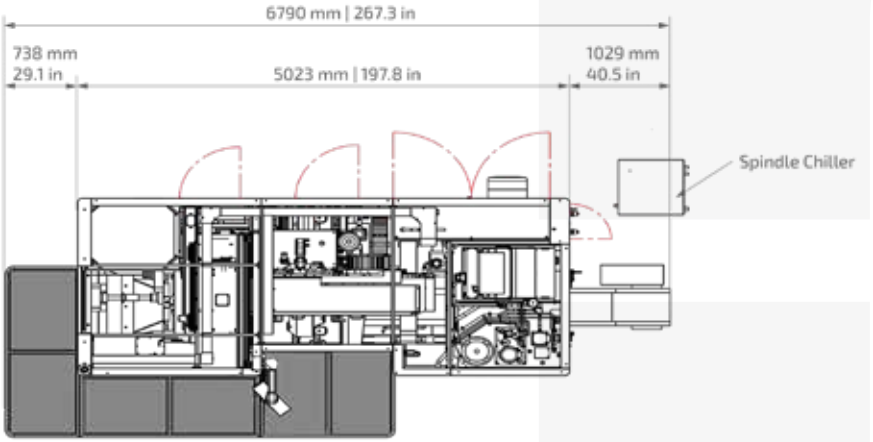
END OF EXTRAORDINARY COSTS OF NONCONFORMANCE

The diversity of operations, the lack of raw materials homogeneity, the deficient parameter settings, and intersection holes often lead to the reduction of the tool lifetime. As hole intersections are a constant matter on mold making, and considering the difficulty of these operations, it´s common to have problems on final results as unexpected hole drifts, premature tool wear or tool break.

FOOT PRINT SiC







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EN.V3.2019

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