



/Contor

RELIABILITY
TECHNOLOGY
INNOVATION

Take your company to the next level!



/Contor

Centro di lavoro con 3 o 4 assi interpolati
Work centre with 3 or 4 interpolated axis



))) Tele **Service**

Teleassistenza attraverso collegamento internet
per la risoluzione di eventuali anomalie.

*Teleservice through internet connection for the
resolution of any anomalies.*

**IL CONTOR È L'ULTIMA
EVOLUZIONE DELLE
MACCHINE PER LA
LAVORAZIONE DEL
MARMO, GRANITO,
PIETRE E AGGLOMERATI.**

E' un Centro di Lavoro con 3 o 4 assi interpolati gestiti da controllo numerico di ultima generazione che, a sua volta, gestisce le movimentazioni automatiche di tutti gli assi.

**CONTOR IS THE LATEST
EVOLUTION OF MACHI-
NES FOR MARBLE, GRANI-
TE, STONES AND
AGGLOMERATES
PROCESSING.**

It is a Work Centre with 3 or 4 interpolated axis managed by a new generation numeric control that manages the movements of all axis.



Contor

Centro di lavoro con 3 o 4 assi interpolati

Work centre with 3 or 4 interpolated axis



Specifiche / Details

Centro di lavoro con 3 o 4 assi interpolati.

La struttura del carro verticale a forma di gabbia, è realizzata in acciaio elettrosaldato che garantisce alla macchina più stabilità e rigidità eliminando le vibrazioni generate durante le lavorazioni.

Movimenti ad alta velocità degli assi X, Y, Z, sono ottenuti con motori brushless e cremagliere elicoidali per garantire massima precisione. Lo scorrimento avviene su guide con pattini a rulli lubrificati automaticamente.

Il movimento dell'asse verticale Z avviene mediante vite a ricircolo di sfere. La traslazione della trave viene eseguita attraverso un motore posizionato tra due pignoni che scorrono su cremagliere di precisione a denti elicoidali.

Work centre with 3 or 4 interpolated axis.

The structure of the vertical carriage in the form of a cage, is performed in electro-welded steel which ensures the machine more stability and rigidity, minimizing the vibrations generated during the processes.

The high speed movements of the X, Y and Z axis, are obtained with brushless motors and helicoidal racks to guarantee maximum precision. The movement is performed by recirculating rollers on linear guideways automatically lubricated.

The movement of the vertical Z axis is performed by a recirculating ballscrew. The translational motion of the beam is performed by a motor positioned between two pinions which scroll on precision racks with helicoidal teeth.



Aggregato per molatura a tazza
Aggregate for grinding wheel



Aggregato disco
Aggregate for blade



Pulsantiera remotata
Hand remote control



Vasche recupero acqua
Water collection tanks



Magazzino utensili automatico 11+11 posizioni
Automatic tools store with 11+ 11 positions



Banco di lavoro in alluminio con ventose e battute
Aluminum work table with vacuum and rollaway back stops



Banco di lavoro in alluminio
Aluminum work table



Pompa del vuoto
Vacuum pump

Refrigeratore elettromandrino
Electrospindle chiller

Hardware / Software

Sistema basato su piattaforma Windows XP integrato da scheda di controllo macchina CNI coadiuvato da un sistema di monitor touch screen e controllo remoto a display i quali assicurano la facile esecuzione delle operazioni di gestione in modo semplice e intuitivo.

La componentistica elettronica della macchina è costituita da prodotti di brands riconosciuti a livello mondiale che garantiscono la facile reperibilità in caso di guasto.

System based on Windows XP platform with an integrated control board CNI machine supported by a touch screen monitor and remote control display system ensuring the easy execution of management operations in a simple and intuitive way.

The electronic components of the machine consist of products with recognized worldwide brands easily available in the case of failure.



Cad Cam

Il software Cad Cam gestisce e ottimizza tutte le fasi della lavorazione: dal disegno e/o importazione dei file, alla definizione delle strategie di lavorazione, sino alla stima dei tempi e al controllo delle collisioni con simulazione 3D, passando dalla disposizione di pezzi e sottopiezzati sul banco di lavoro.

- Generazione automatica di cicli di sgrossatura, carotatura, foratura, finitura, profilatura, svuotatura e lucidatura.

- Disegno libero di entità geometriche: archi, bi-archi, rette, rettangoli, quadrati, ellissi, cerchi, poligoni regolari, raccordi, smussi, piani di costruzione.

- Disegno da modelli parametrici predefiniti: top da bagno, piani da cucina, tavoli, compresa la gestione dei ribassi, dei canaletti e del lavello, ecc.

- Definizione di superfici tridimensionali di base in forma guidata, partendo da sezioni e/o linee guida disegnate nel piano XY (cornici, piatti doccia, lavelli concavi e convessi, lavelli a più sezioni, colonne a sezione e torsione variabile).

- Scrittura nei vari fonts anche su profili sagomati inclusi i caratteri in corsivo, i caratteri con foretti, le lavorazioni di ribasso, di rilievo e d'incisione con spigoli vivi, arte funeraria.

The Cad Cam software manages and optimizes all the phases of the process: from the design and/or import of file, the definition of machining strategies, to the estimated timing and control of collisions with 3D simulation, through the provision of parts and underparts on the work table.

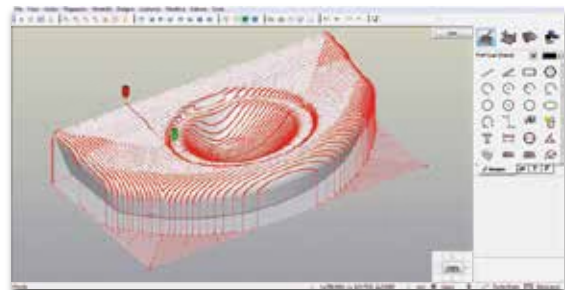
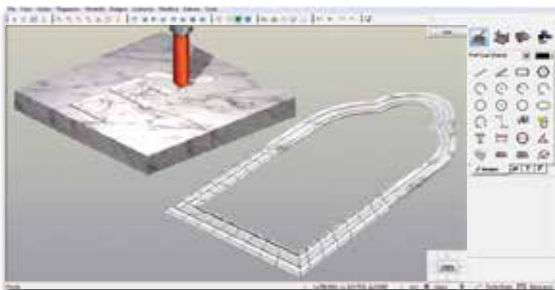
- Automatic generation of roughing, coring, drilling, finishing, profiling, pocketing and polishing cycles.

- Free drawing of geometric entities: arches, bi-arcs, lines, rectangles, squares, ellipses, circles, regular polygons, joints, chamfers, construction designs.

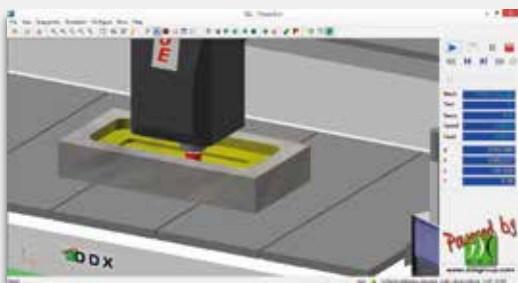
- Drawing from predefined parametric models: vanity tops, kitchen tops, tables, including the downside, the canals and the sink managing, etc.

- Definition of guided basic three-dimensional surfaces, starting with sections and/or guidelines drawn on the XY plane (frames, shower trays, concave and convex sinks, sinks in multiple sections, columns section and variable torque).

- Write in different fonts also on shaped profiles, including characters in italics, characters with drills, downside, relief and engraving with sharp edges workings, funerary art.



Lavorazioni / Processings



Accessori / Accessories

Struttura monoblocco
MonoBlock structure

Banco di lavoro fisso con piano in alluminio
Fixed work table with aluminum surface

Elettromandrino kW 15 / Hp 20 ISO 40 Rpm 12.000
Electrospindle kW 15 / Hp 20 ISO 40 Rpm 12.000

PC Based Windows
PC Based Windows

Pulsantiera remotata
Hand remote control

Sistema automatico di lubrificazione
Automatic lubrication system

Pannello di controllo macchina touch screen 17"
Machine control board touch screen 17"

Protezioni perimetrali con porte anteriori scorrevoli
Fixed perimeter protections with sliding front doors

Pompa del vuoto
Vacuum pump system

Cad Cam Base
Cad Cam Basic

Magazzino utensili automatico 11+11 posizioni
Automatic tools store change 11+11 positions

Kit coni (10 pezzi)
Kit cones (10 pieces)

Kit ventose (10 pezzi) / Battute pneumatiche (3 pezzi)
Kit suction cups (10 pieces) / Rollaway back stops (3 pieces)

Optionals

Asse C con rotazione illimitata
Unlimited Rotating C axis

Asse T pneumatico +/- 1°
Pneumatic T axis +/- 1°

Quadro elettrico con aria condizionata
Switchboard with air conditioning

Laser 2D
Laser 2D

Aggregato disco
Aggregate blade

Aggregato disco 30°
Aggregate blade 30°

Aggregato disco 45°
Aggregate blade 45°

Aggregato per molatura a tazza
Aggregate for grinding wheel

Nr.2 vasche di raccolta acqua inclusa pompa di ricircolo
Nr.2 water collection tanks, recirculation pump included

Rilevatore spessore lastra
Slab tickness detector

Proiettore Laser 2D / 3D per posizionatore di ventose
2D / 3D Laser projector positioning vacuum

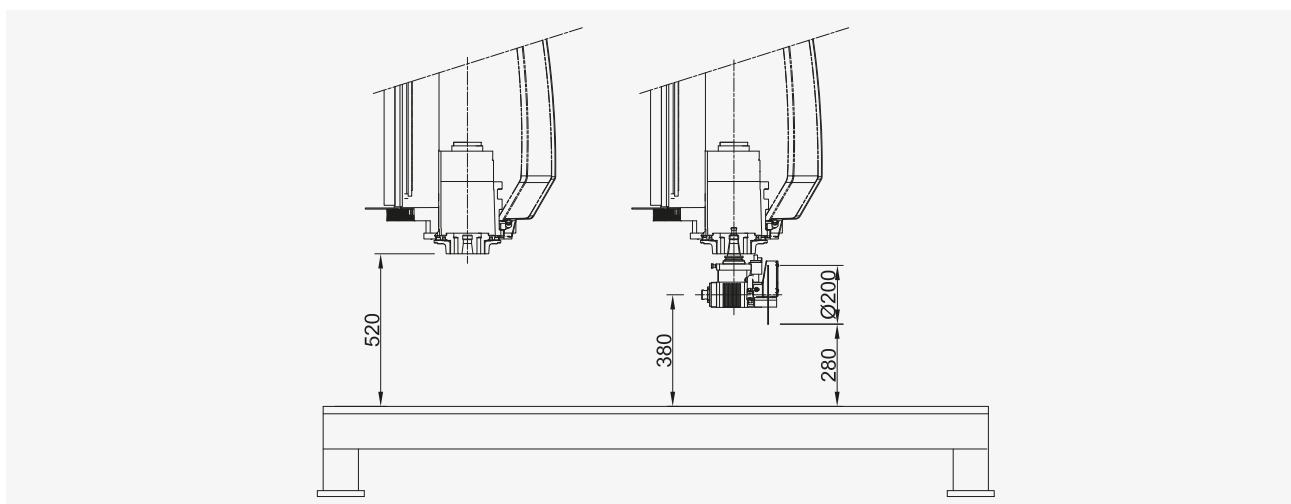
Cad Cam Premium
Cad Cam Premium

Dati Tecnici / Technical Specifications

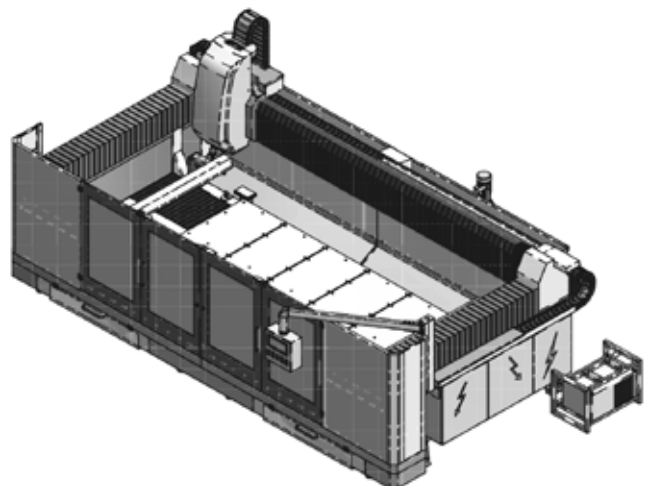
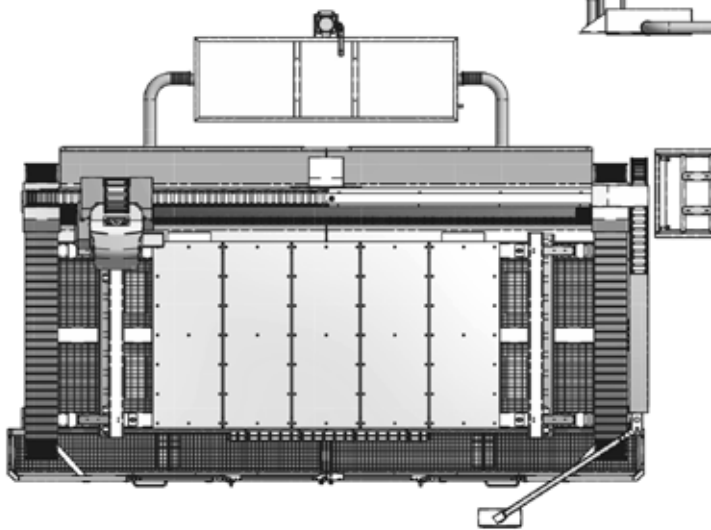
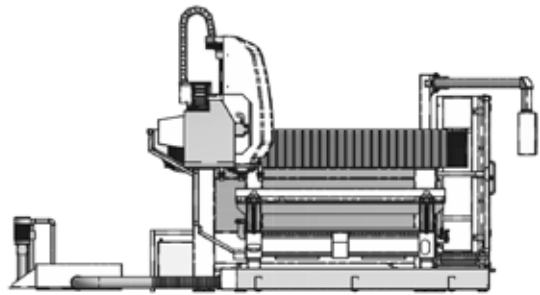
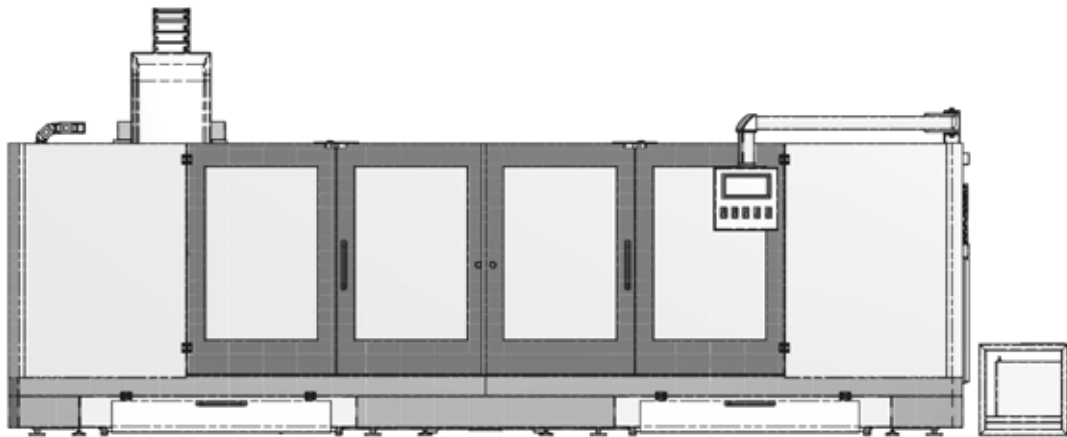
Model		260	360	400
Corsa max. longitudinale (asse X) Max. longitudinal stroke X axis	mm. Inch.	2600 102.36"	3600 141.73"	3900 153.54"
Corsa max. trasversale (asse Y) Max. transversal stroke Y axis	mm. Inch.	1400 55.11"	1900 74.80"	2700 106.29"
Corsa max. verticale (asse Z) Max. vertical stroke Z axis	mm. Inch.	400 15.74"	400 15.74"	400 15.74"
Rotazione testa (asse C) Rotating head C axis	mm. Inch.	illimitato (opt.) unlimited (opt)	illimitato (opt.) unlimited (opt)	illimitato (opt.) unlimited (opt)
Max. velocità dell'asse X Max. speed X axis	mt/min Inch./min	60 2362"	60 2362"	60 2362"
Max. velocità dell'asse Y Max. speed Y axis	mt/min Inch./min	45 1771"	45 1771"	45 1771"
Max. velocità dell'asse Z Max. speed Z axis	mt/min Inch./min	15 590"	15 590"	15 590"
Potenza elettromandrino (S6) Electrospindle power	kW/Hp	18 / 24	18 / 24	18 / 24
Velocità elettromandrino Electrospindle speed	Rpm	12000	12000	12000
Attacco utensile Tool attachment	Tipo Type	ISO 40	ISO 40	ISO 40
Consumo acqua esterna External water consumption	lt./min. U.S. gal./min.	110 29	110 29	110 29
Consumo acqua interna Internal water consumption	lt./min. U.S. gal./min.	11 2.9	11 2.9	11 2.9
Magazzino utensili Tools store	n°	14	11+11	22
Dimensioni banco di lavoro Work table dimensions	mm. Inch.	2500 x 1200 98.42" x 47.24"	3300 x 1780 129.92" x 70.07"	3800 x 2200 149.60" x 86.61"
Massa complessiva indicativa Approximate Weight	kg lb	4500 9920	5000 11023	6000 13227
Ingombro macchina Dimensions	mm. Inch.	6300 x 3300 x 2800 248" x 130" x 110"	7360 x 3800 x 2800 289" x 150" x 110"	7360 x 4200 x 2800 289" x 165" x 110"
Tensione standard Standard voltage	Volt / Hz	400 / 50 230 / 60*	400 / 50 230 / 60*	400 / 50 230 / 60*

* Solo versione UL/CSA - UL/CSA version only.

I dati tecnici di cui sopra e le foto contenute in questa brochure, sono da considerarsi indicativi e soggetti a variazioni senza preavviso.
The above technical datas and the pictures included in this leaflet, are for general information only and they can be changed without notice.



Layout Contor



Dimensioni / Dimensions

Contor 260	6300mm. x 3300mm. x 2800mm.	248" x 130" x 110"
Contor 360	7360mm. x 3800mm. x 2800mm.	289" x 150" x 110"
Contor 400	7360mm. x 4200mm. x 2800mm.	289" x 165" x 110"



Peculiarities and strengths of the company

- ▶ Design and construction of precision mechanical parts directly inside the Company.
- ▶ Accurate selection of raw materials, mostly made in Italy.
- ▶ Assembly check of the components during the whole production flow.
- ▶ Testing of machines through constant and scrupulous tests.
- ▶ Highly qualified technical service.
- ▶ Remote technological support, through remote connection.
- ▶ Quick and reliable after-sales service.
- ▶ Widespread commercial network around the world.

History

Emmedue, a brand of **Industrie Montanari**, was founded in the early 90s.

Its founder, Mr. Alfio Montanari, an expert in precision mechanics entrepreneur with a great pioneering vision, was among the firsts to realize bridge saws machines with monoblock structure, bringing a deep innovation in the marble's field.

To date, the Company occupies a prestigious position in the market, producing a wide range of highly sophisticated and technological products.

Mission

Emmedue intends to consolidate its leadership among the best producers of stone processing machines, through the achievement of the following goals:

Full customer satisfaction, competitive prices, flexible solutions, highly qualified and solid support service.

Continuous technological innovation, essential to optimize the productivity and the supply capacity of the Company.

Full involvement of the whole staff in achieving the winning results.

Vision

Men, values, ideas, participation, courage, devotion and hard work.

The family soul of a great industrial Company.

Christian and Ylenia Montanari, today at the helm of the Society, are following enthusiastically and with passion, the path set out by their father.

Proud of their roots, with an eye to the future.

Products

- ✓ **BENCH SAWS:** simpler and slimmer typical of construction works.
- ✓ **CNC BRIDGE SAW MACHINES:** available a wide variety of models with or without manipulator.
- ✓ **WORKING CENTRES:** with 3 o 4 interpolated axis good for profiling, polishing and for realizing bass-reliefs.
- ✓ **COMBINED MACHINES:** able to perform the work both of a saw machine and of a working center.

Emmedue offers numerous solutions in order to cut, mill and polish natural stone and agglomerates.

Emmedue can provide customized machines, from monolithic to on steel shoulders or on concrete wall versions.

The products can be subdivided into four main families:

Training

To provide innovative services, Emmedue constantly holds training courses for its operators, customers and dealers, providing them with active support to meet their needs.

Our numbers

6,000 mq of production area

Over **10,000 machines** sold

Over **70 countries** covered

1 branch in USA

Over 35 collaborators that with passion, constancy and determination, are working every days for the realization of this extraordinary vision of success!

International Fairs














Dealer



Rev. 02/2019

Member of:

