



ROTAZIONE DEL MANDRINO 0° - 180°
solo su modello "Tec 4"

SPINDLE ORIENTATION 0° - 180°
suitable on "Tec 4" version

SPINDELDREHUNG 0° - 180°
dies ist disponibel nür für "Tec 4" modell

ROTACIÓN DEL HUSILLO 0° - 180°
solo para el modelo "Tec 4"



PROGRAMMAZIONE DA PC E CAD-CAM
LICOM ALPHA-CAM

PROGRAMMED VIA PC AND LICOM ALPHA
CAM CAD-CAM PROGRAMMING SYSTEM

PROGRAMMIERUNG AUF PC MIT CAD-CAM LICOM
ALPHA CAM

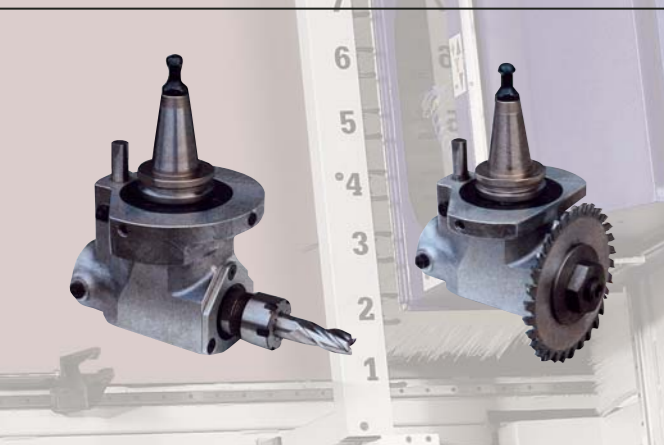
PROGRAMACIÓN POR PC CAD-CAM LICOM
ALPHA CAM

TESTINA ANGOLATA
solo su modello "Tec 3"

ANGULAR DRILLING HEAD
suitable on "Tec 3" version

WINKELBOHRKOPF
dies ist disponibel nür für "Tec 3" modell

CABEZA DE ÁNGULO
solo para el modelo "Tec 3"



CAMBIO UTENSILE AUTOMATICO

trasportato sulla traversa

AUTOMATIC TOOL CHANGER

mounted on the movable beam

AUTOMATISCHER WERKZEUGWECHSEL

auf dem Querträger montiert

CAMBIADOR AUTOMÁTICO DE HERRAMIENTAS

montado en la viga movable



A RICHIESTA • ON REQUEST • AUF ANFORDERUNG • SOBRE PEDIDO



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DATI TECNICI

| | | | | | |
|---|-------|---------|--|---------|-------------|
| Lunghezza utile di lavoro | mm | 3000 | Guide lineari prismatiche | | |
| Larghezza utile di lavoro | mm | 1300 | Funzione di autoapprendimento | | |
| Velocità di lavoro assi X & Y | m/min | 24 | CNC a tre assi interpolanti contemporan. | | |
| Velocità di lavoro asse Z | m/min | 18 | Grafica statica e dinamica | | |
| Spessore max del pannello in foratura | mm | 60 | 99 programmi di lavoro + floppy disk | Kw | 11 |
| Spessore max del pannello in fresatura | mm | 65 | Potenza elettrica max installata | Bar | 6-8 |
| Potenza motore mandrino | Kw | 5,5 | Consumo aria compressa | Lit/min | 200 |
| Velocità di rotazione mandrino con inverter | rpm | 0-18000 | Pressione aria compressa min-max | mm | 160 |
| Sistema di cambio rapido dell'utensile | | ISO 30 | Cappia di aspirazione diametro | m3/h | 1590 |
| N° punte indipendenti verticali | n° | 12 | Consumo aria aspirata a 22m/sec | Cm | 450x155x238 |
| N° punte indipendenti orizzontali | n° | 6 | Dimensioni di imballo | Kg | 1500 |
| Fresa taglio schienale diametro | mm | 40 | Peso netto | Pos | 11 |
| Velocità di rotazione punte a forare | rpm | 3400 | Cambio utensile automatico | Ang | 0 +90° -90° |
| Pompa a depressione | m3/h | 100 | Rotazione del mandrino | | |
| N° 8 ventose | mm | 130 | | | |

TECHNICAL DATA

| | | | | | |
|--------------------------------------|-------|---------|---|---------|-------------|
| Useful working length | mm | 3000 | Prismatic guides | | |
| Useful working width | mm | 1300 | Workpiece scanning device | | |
| Feed rate - X & Y axes | m/min | 24 | 3 - axes simultaneous interpolating CNC | | |
| Feed rate - Z axis | m/min | 18 | Static and dynamic graphics | | |
| Max. panel thickness - boring | mm | 60 | 99 machining programs + floppy disk | Kw | 11 |
| Max. panel thickness - routing | mm | 65 | Max electrical power installed | Bar | 6-8 |
| Main spindle power | Kw | 5,5 | Compressed air min - max | Lit/min | 200 |
| Inverter - driven spindle speed | rpm | 0-18000 | Compressed air consumption | mm | 160 |
| Quick - change toolholder | | ISO 30 | Dust extractor hood diameter | m3/h | 1590 |
| Independent vertical drilling bits | n° | 12 | Extracted air consumption at 22m/sec. | Cm | 450x155x238 |
| Independent horizontal drilling bits | n° | 6 | Packing case dimensions | Kg | 1500 |
| Grooving saw diameter | mm | 40 | Net weight | Pos | 11 |
| Boring bit speed | rpm | 3400 | Automatic tool change | Ang | 0 +90° -90° |
| Vacuum pump | m3/h | 100 | Spindle inclination | | |
| N° 8 square suction cups | mm | 130 | | | |

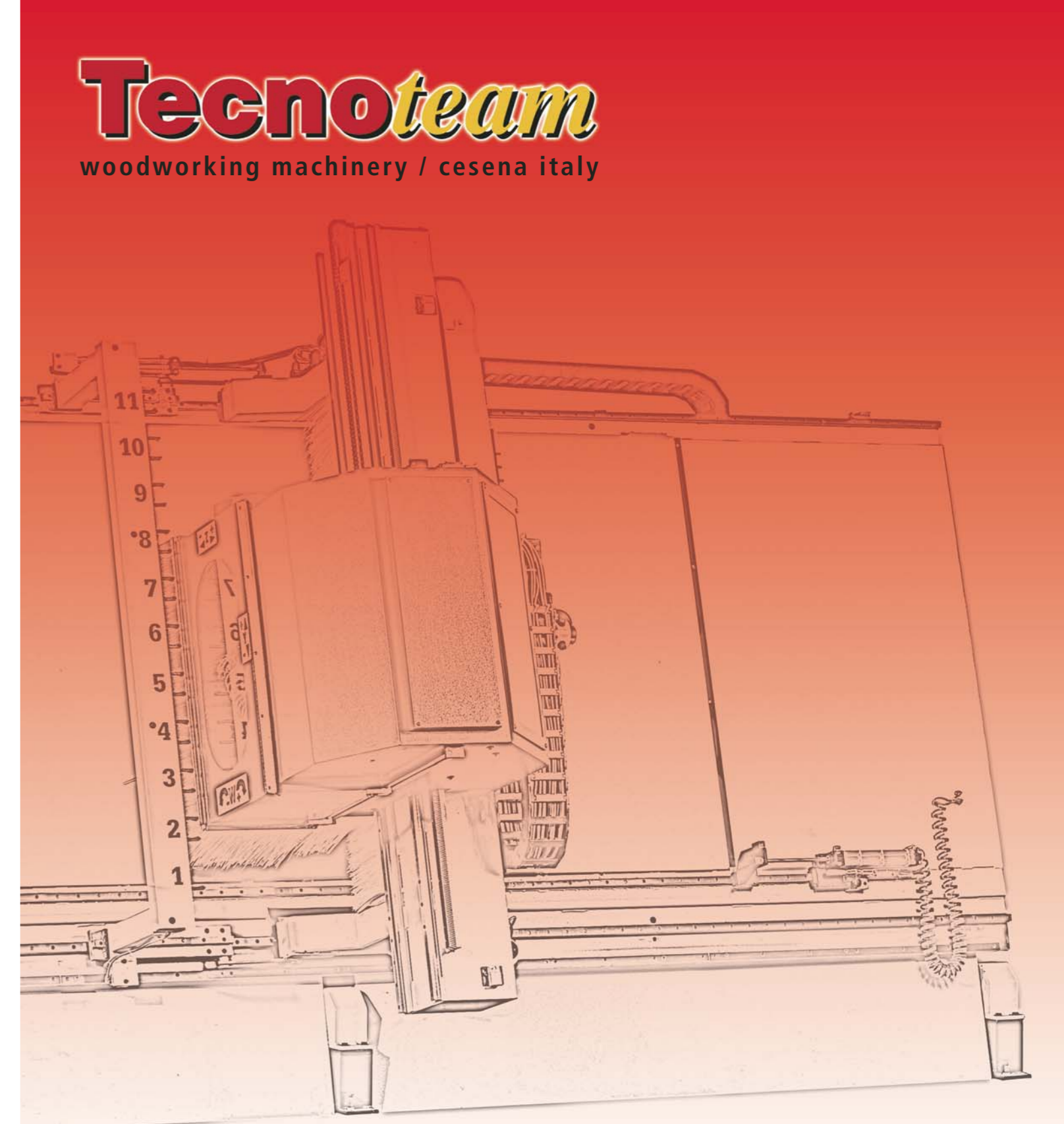
TECHNISCHE DATEN

| | | | | | |
|---|-------|---------|---|---------|-------------|
| Nutzbare Arbeitslänge | mm | 3000 | Prismatische Linearführungen | | |
| Nutzbare Arbeitsbreite | mm | 1300 | Scanningfunktion | | |
| Arbeitsgeschwindigkeit X- und Y-Achse | m/min | 24 | CNC mit drei gleichzeitig interpolierenden Achsen | | |
| Arbeitsgeschwindigkeit Z-Achse | m/min | 18 | Statische und dynamische Grafik | | |
| Max. Werkstückdicke beim Bohren | mm | 60 | 99 Arbeitsprogramme + Diskette | Kw | 11 |
| Max. Werkstückdicke beim Fräsen | mm | 65 | Min.-max. Pressluftdruck | Bar | 6-8 |
| Leistung Spindelmotor | Kw | 5,5 | Pressluftverbrauch | Lit/min | 200 |
| Drehgeschwindigkeit Spindel mit Frequenzwandler | rpm | 0-18000 | Ansaughaube Durchmesser | mm | 160 |
| Werkzeug-Schnellwechselsystem | | ISO 30 | Verbrauch Ansaugluft bei 22 m/s | m3/h | 1590 |
| Anzahl unabhängiger senkrechter Bohrspitzen | n° | 12 | Verpackungsmaße | Cm | 450x155x238 |
| Anzahl unabhängiger waagerechter Bohrspitzen | n° | 6 | Nettogewicht | Kg | 1500 |
| Fräse Rückwandnuten Durchmesser | mm | 40 | Automatischer Werkzeugwechsel | Pos | 11 |
| Drehgeschwindigkeit Bohrspitzen | rpm | 3400 | Spindeldrehung | Ang | 0 +90° -90° |
| Vakuumpumpe | m3/h | 100 | | | |
| N° 8 Viereckig Saugnapfe | mm | 130 | | | |

DATOS TECNICOS

| | | | | | |
|-------------------------------------|-------|---------|--------------------------------------|---------|-------------|
| Longitud útil eje X | mm | 3000 | Guías lineales prismática THK | | |
| Longitud útil eje Y | mm | 1300 | Función de autoaprendizaje | | |
| Velocidad de trabajo eje X & Y | m/min | 24 | Interpolación de tres ejes simultán. | | |
| Velocidad de trabajo eje Z | m/min | 18 | Grafica estática y dinámica | | |
| Espesor máx. del panel a taladrar | mm | 60 | 99 programas de trabajo | Kw | 11 |
| Espesor máx. del panel a fresar | mm | 65 | Potencia máx instalada | Bar | 6-8 |
| Potencia motor fresador | Kw | 5,5 | Presión aire comprimido mín - máx | Lit/min | 200 |
| Velocidad de rotación fresador | rpm | 0-18000 | Consumo aire comprimido | mm | 160 |
| Sistema de cambio de la herramienta | | ISO 30 | Campana de aspiración diámetro | m3/h | 1590 |
| N° brocas vertical | n° | 12 | Consumo aire aspirada | Cm | 450x155x238 |
| N° brocas horizontal | n° | 6 | Dimensiones embalaje | Kg | 1500 |
| Fresa para ejecución respaldo | mm | 40 | Peso neto | Pos | 11 |
| Velocidad de rotación brocas | rpm | 3400 | Cambiador aut. de herramienta | Ang | 0 +90° -90° |
| Bomba de vacío | m3/h | 100 | Rotación del husillo | | |
| N° 8 ventosas cuadradas | mm | 130 | | | |

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Tec 3 / Tec 4

Centri di lavoro verticali a CNC 3 e 4 assi
CNC boring / routing center 3 o 4 axis
CNC - bearbeitungszen trem mit 3 oder 4 achsen
Centro de trabajo vertical CNC a 3 o 4 ejes



Squadratura lineare
Accurate corner squaring
Formatieren
Escuadrado lineal



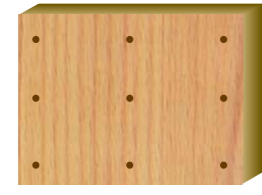
Squadratura convessa
External corner routing
Formatieren mit Radius außen
Escuadrado convexo



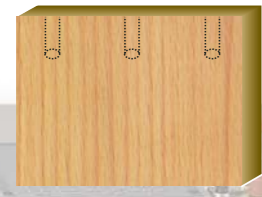
Squadratura concava
Internal corner routing
Formatieren mit Radius innen
Escuadrado cóncavo



Foratura ortogonale al pannello con mandrini a discesa indipendente
Face boring with independently lowering spindles
Rechtwinklige Werkstückbohrung mit unabhängig arbeitenden Spindeln
Taladrado ortogonal del panel con brocas de bajada independiente



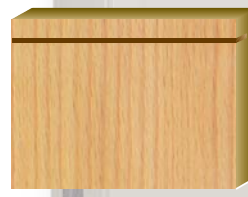
Foratura destra e sinistra
Side boring
Stirnseitige Bohrungen
Taladrado derecho e izquierdo



Foratura alto
Vertical boring
Bohrungen von oben
Taladrado alto



Foratura per cerniere
Hinge boring
Bohrungen für Scharniere
Taladrado para bisagras



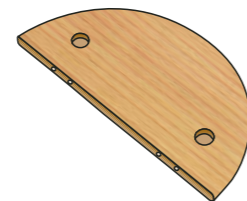
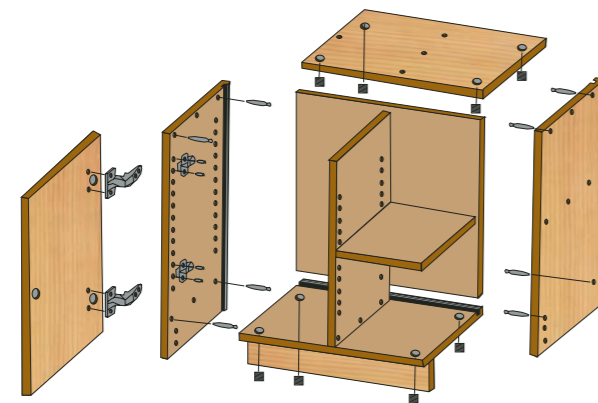
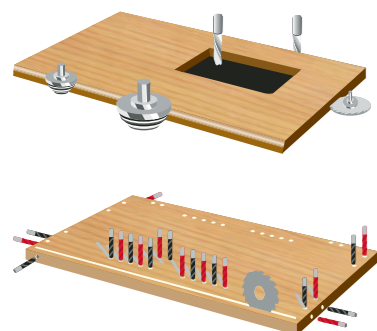
Fresature longitudinali per incastro pannello posteriore
Longitudinal grooving to insert the rear panel
Nutfräsung für Rückwände
Fresados longitudinales para encajar el panel posterior



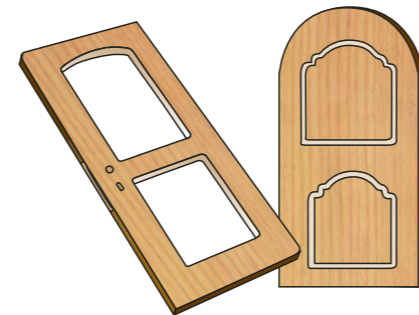
Fresature per sede serrature
Lock pocket machining
Kompl. Schloßkastenbearbeitung
Fresado para alojamiento de cerraduras



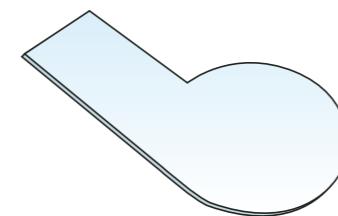
Fresature per cerniere
Hinge routing
Fräsungen für Scharniere
Fresado para bisagras



Lavorazioni di tavoli
Table top machining
Bearbeitung von Tischen
Trabajos de mesas



Lavorazioni di porte interne ed esterne di diverse dimensioni
Machining internal and external doors of different dimensions
Bearbeitung von Innen- und Außentüren verschiedener Größen
Trabajos de puertas internas y externas de diversas dimensiones

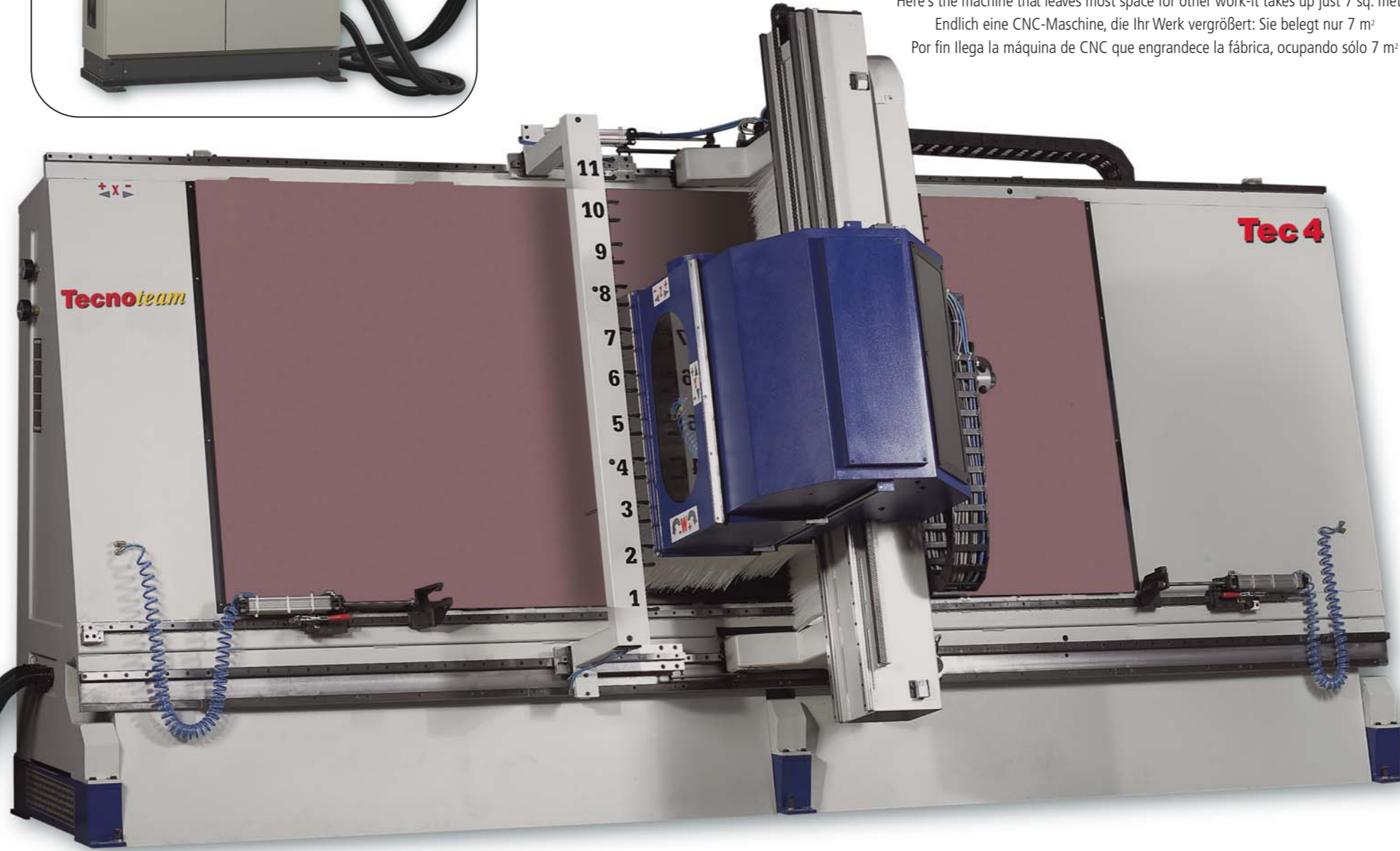


Lavorazioni di mobili per ufficio
Machines office furniture
Bearbeitung von Büromöbeln
Trabajos de muebles para oficinas

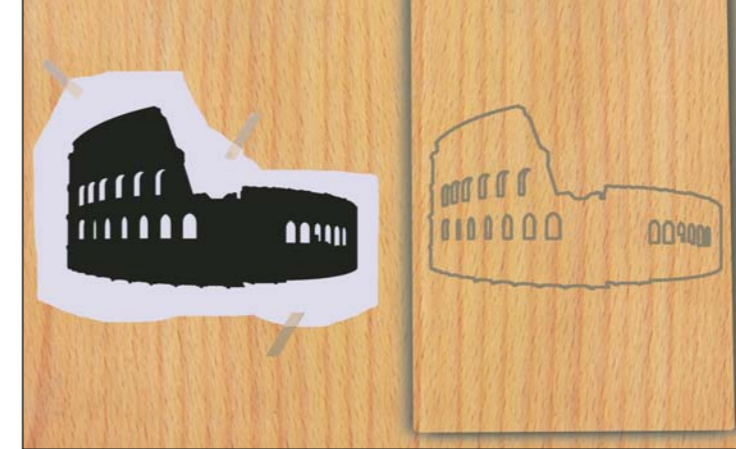


QUANTO COSTA UN M² DEL VOSTRO STABILE?
HOW MUCH DOES YOUR FACTORY COST PER SQ. METRE?
WAS KOSTET DER M² IN IHREM WERK?
CUÁNTO VALE UN M² DE SU ESTABLECIMIENTO?

Finalmente la macchina a CNC che ingrandisce la fabbrica; occupando solo 7 m²
Here's the machine that leaves most space for other work-it takes up just 7 sq. metre
Endlich eine CNC-Maschine, die Ihr Werk vergrößert: Sie belegt nur 7 m²
Por fin llega la máquina de CNC que engrandece la fábrica, ocupando sólo 7 m²



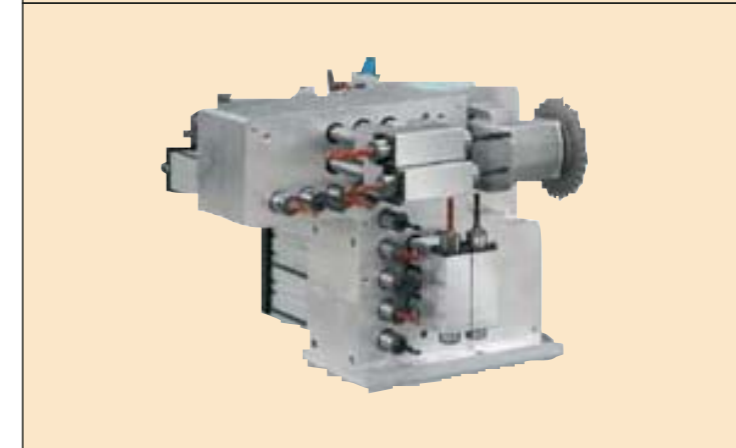
Cambio utensile automatico
Automatic tool changer
Automatischer Werkzeugwechsel
Cambiador automatico de herramientas



AUTO APPRENDIMENTO SCANNER
Sistema elettronico di rilevamento pezzo e memorizzazione su CNC
SCANNER
Auto path scanning and CNC storage
SCANNING
Elektronisches System zur Werkstückerkennung und -speicherung auf CNC
SCANNER
Sistema electrónico de detección y memorización en el CNC



ELETTROMANDRINO 6,8 Kw
completo di attacco rapido ISO 30
ELECTRO SPINDLE 6,8 Kw
complete with ISO 30 quick-locking chuck
ELEKTROSPINDEL 6,8 Kw
mit Schnellkupplung
FRESADOR 6,8 Kw
con bloqueo rápido ISO 30



GRUPPO DI FORATURA
BIT BORING HEAD
GESTEUERTE BOHEGRUPPE
GRUPO DE TALADRO



POMPA VUOTO 100 M³ E VENTOSE TENUTA PEZZI
100 M³ VACUUM PUMP WITH SUCTION CUPS
VAKUUMPUMPE 100 M³ UND SAUGNÄPFE
BOMBA DE VACIO 100 M³ Y VENTOSAS



VISUALIZZAZIONE GRAFICA DEL PROGRAMMA DI LAVORO
GRAPHIC DISPLAY OF MACHINING PROGRAM
GRAFISCHE DARSTELLUNG DES ARBEITSPROGRAMMS
VISUALIZACIÓN GRÁFICA DE LOS TRABAJOS