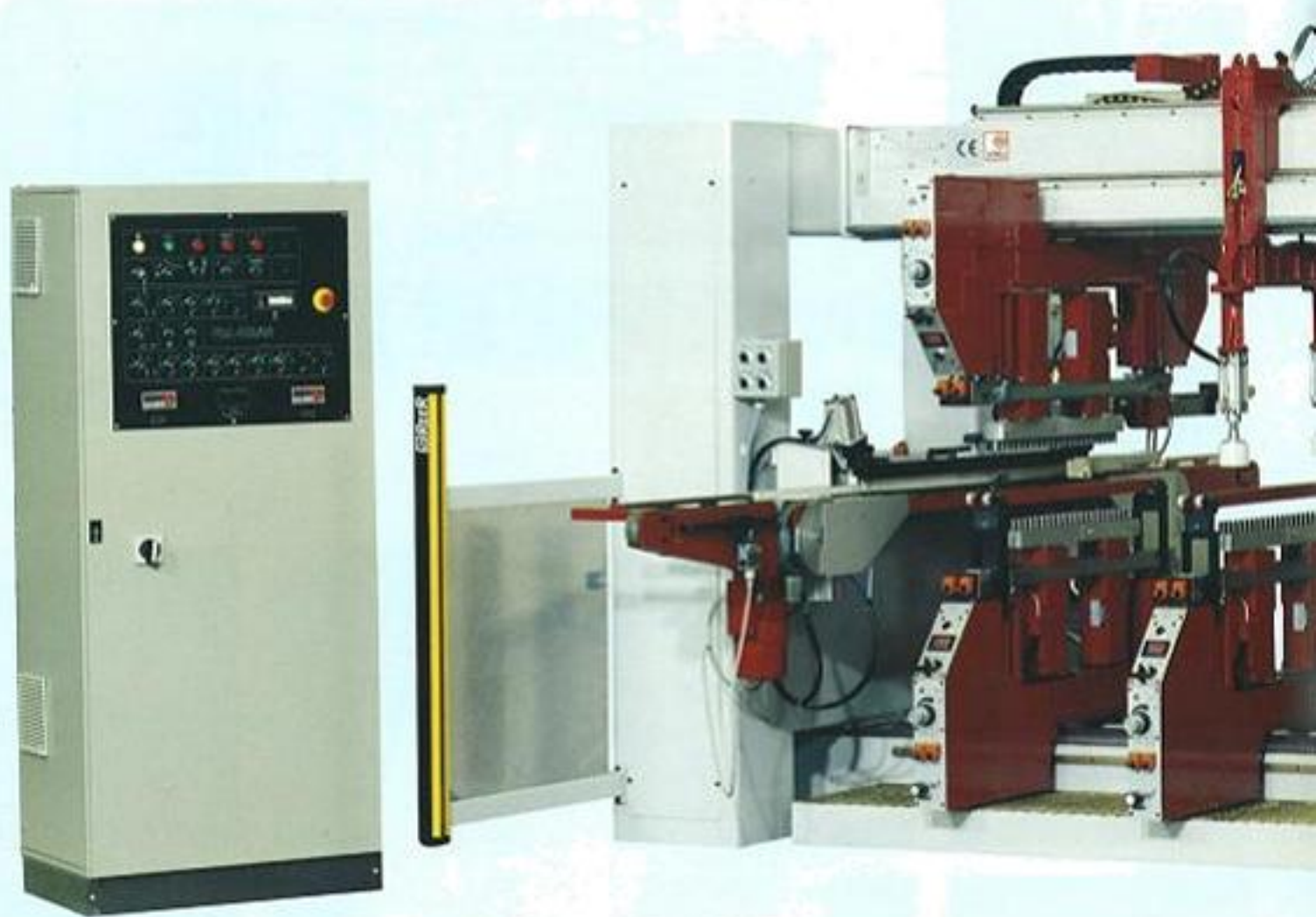


busellato

F2A-929/96





Through feed machine for high production and execution of complex drilling patterns.

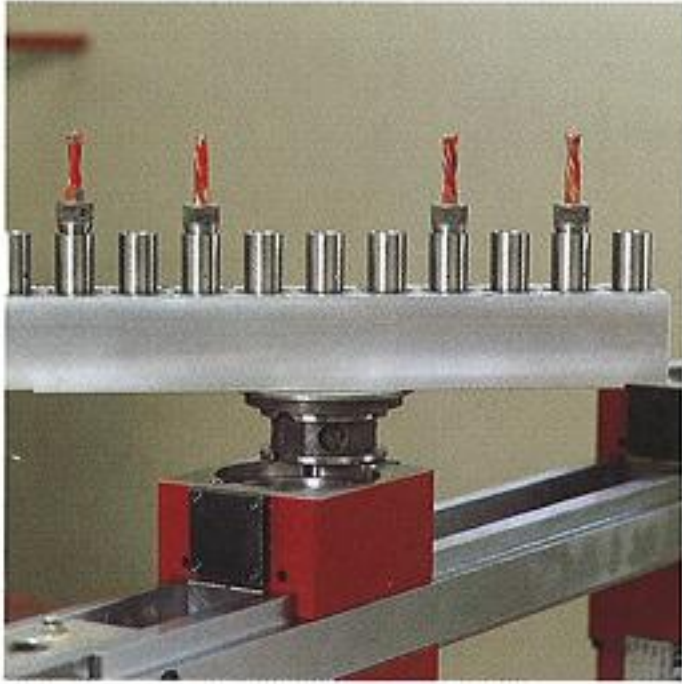
The traditional strength of the BUSELLATO product, joined with the dynamism of the newly conceived pneumatic units, allows high production rhythms with high quality drillings.

The main features of the drilling units are:

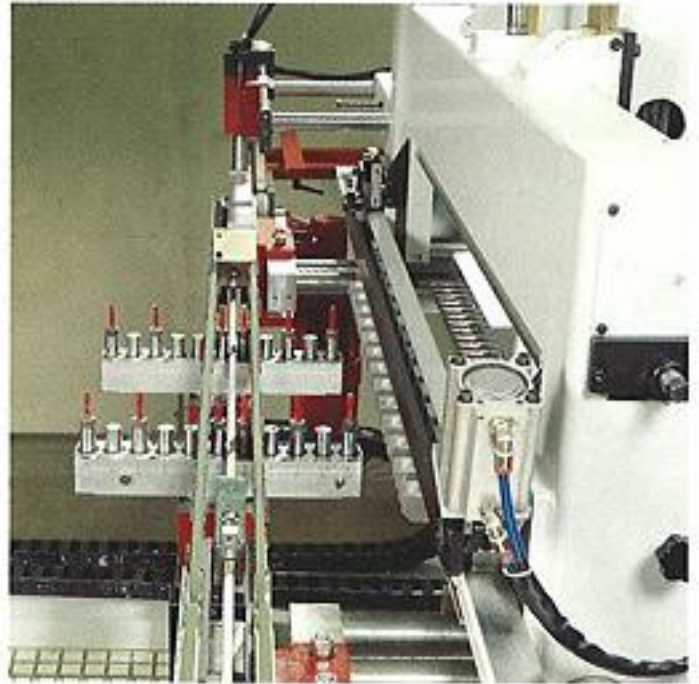
- *Sliding movement in X of the drilling units on linear guides and ball runner blocks.*
- *Hydraulic brakes for the adjustment of the drilling speed.*
- *Pneumatic locking of the units and drill heads.*
- *Digital reading for X positioning.*
- *Selection of the single motors according to work requirements.*
- *96 mm width unit, same overall size even with double fence support.*
- *Drilling heads with quick release system (upon request).*
- *Electronical positioning of the stops (upon request).*



F2A-929/96



Drilling head with quick-release system.



90° drilling heads - double belt motorised transfer - lateral support with removable elements - rear stop - lower unit with through bits between the transfer.



Special edge boring unit for horizontal drilling.



“QUICKLY” quick release chucks.



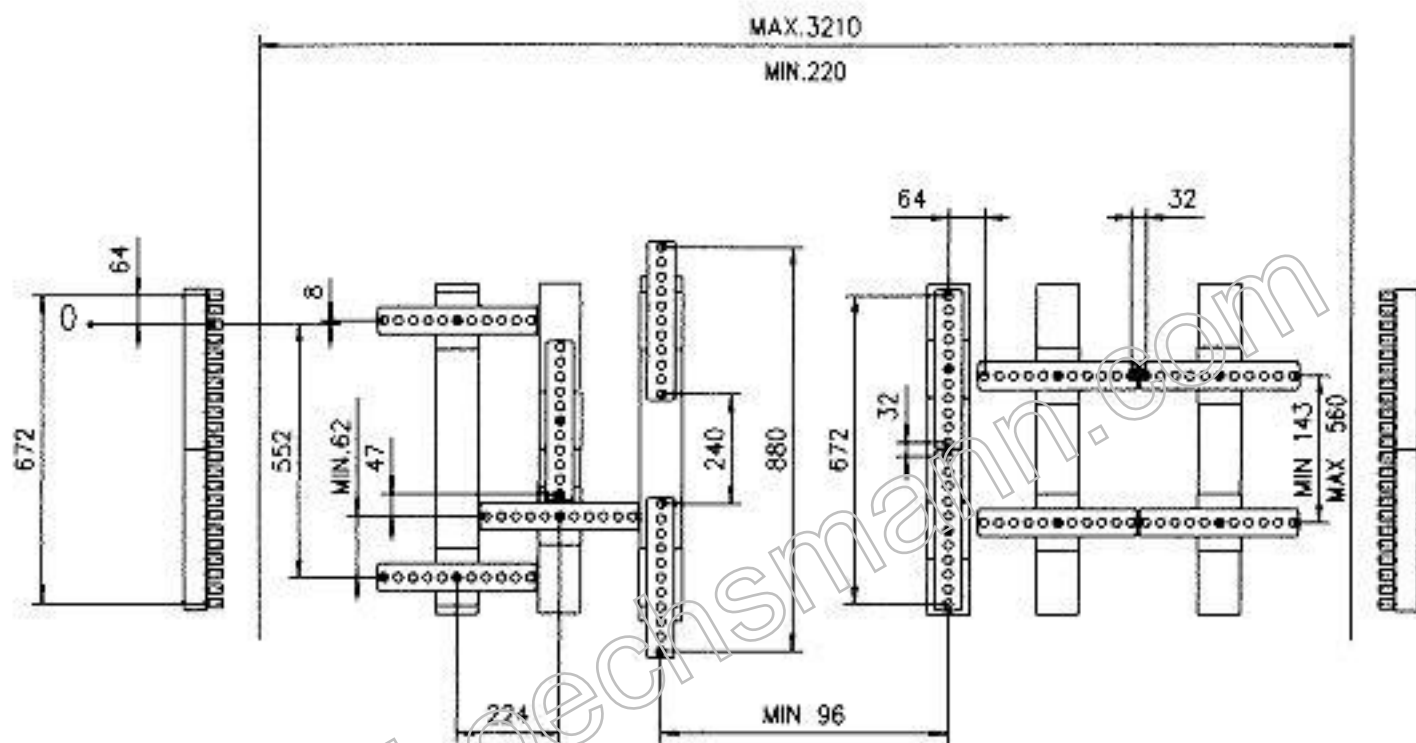
Special drilling heads for various drilling requirements.



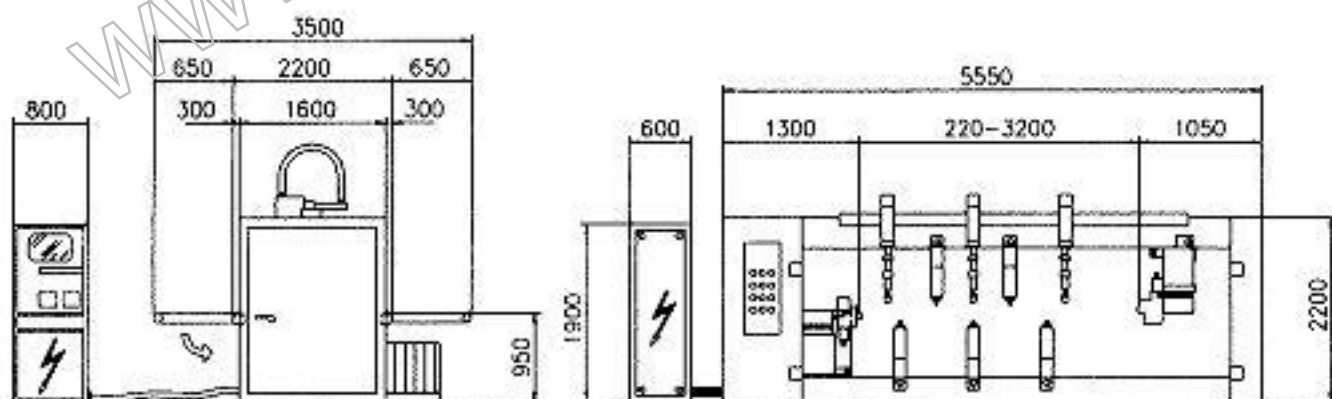
Lower vertical unit clearance, with drill bits mounted underneath the movable horizontal drilling head.

LAYOUT SHOWING THE DRILLING HEADS POSITION

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LAYOUT SHOWING OVERALL DIMENSIONS





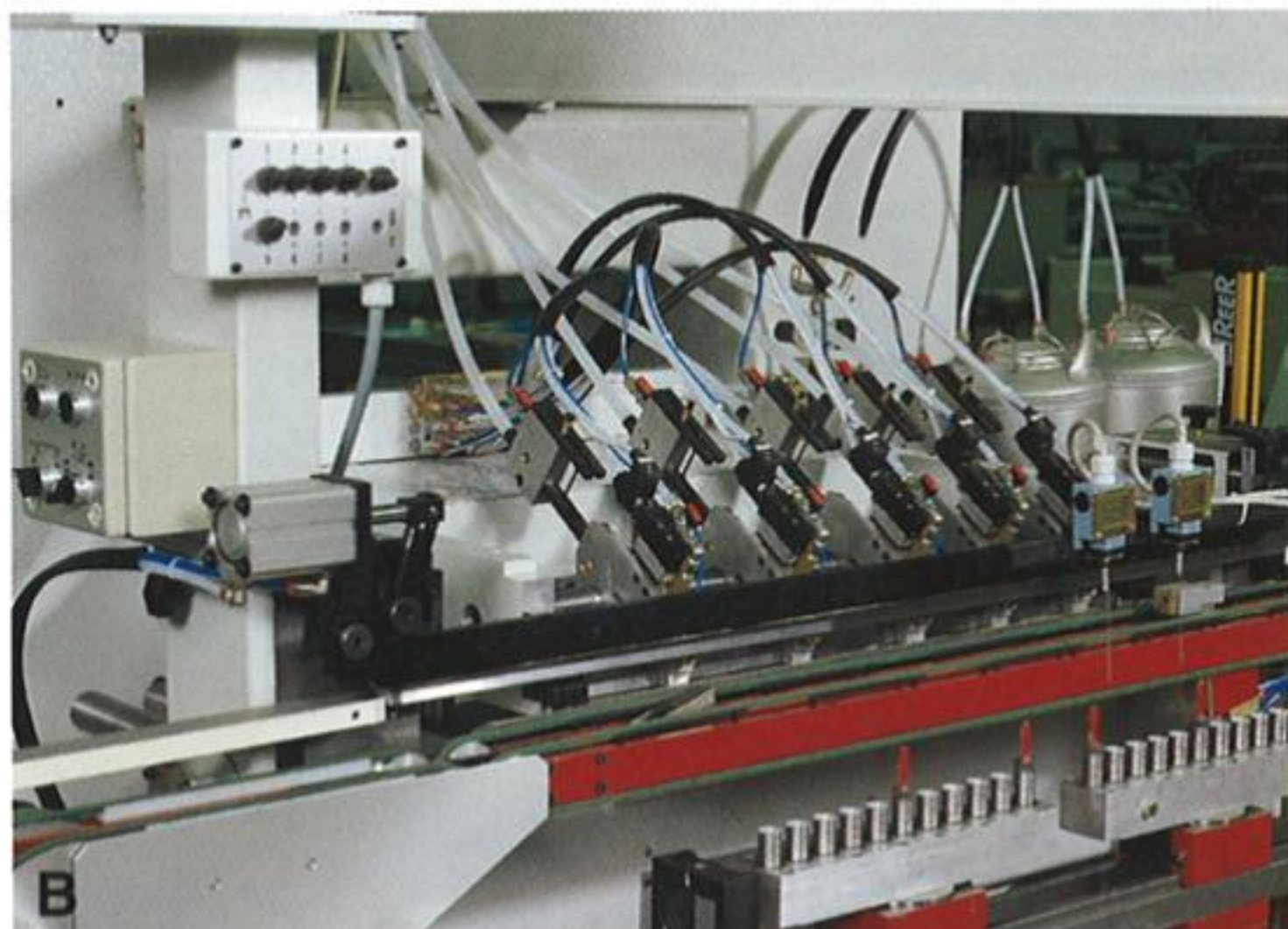
Dowel Glueing and Dowel Driving Through Feed for in line machining equipped with lower 96 mm width electro-pneumatic drilling units.

FS1-96 can be coupled in line with the Multiple Through Feed model AIR.BUS for the execution of very complex drilling patterns which are completed with the insertion of dowels.

It is particularly fast in the change of work duties and it also allows machining of small batches with no penalties on productivity.



A) Electro-pneumatic drilling unit - infeed panel transfer - glue cleaning device.



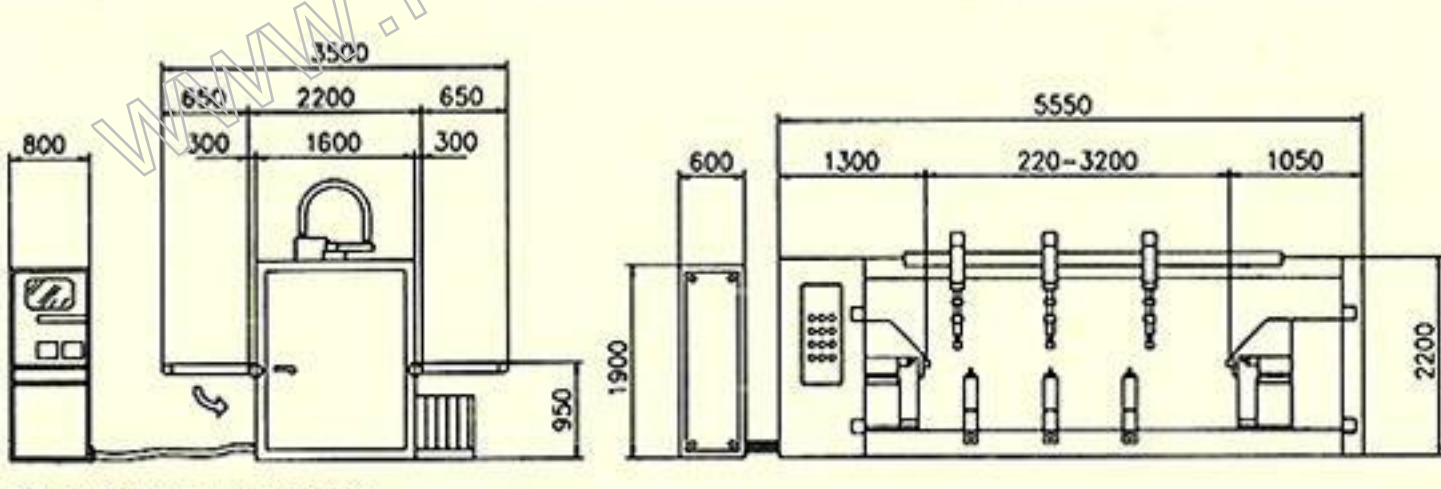
B) Glue injector and dowel inserting units (standards: nr. 5 units per each side). Dowel diameter: 6-8-10-12 mm (to be specified).

TECHNICAL FEATURES

F2A-929/96

- Drilling capacity cycles/min.
- Bohrleistung Zyklus/min.
- Capacité de perçage tours/min.
- Capacidad de taladrar hasta a (ciclos/min.) 20/28
- Larghezza minima/massima di lavoro fra i gruppi orizzontali (asse X):
- Minimum/maximum working width within horizontal units (X-axis):
- Min./Max Arbeitsbreite zwischen den horiz. Bohraggregaten (Achse X):
- Largeur mini./maxi. de travail entre les groupes horizontales (axe X):
- Anchura min. y max. entre las unidades horizontales (eje X): 220/3210 mm
- Interasse tra il primo e l'ultimo mandrino orizzontale con testina da 21 mandrini:
- Pitch between the first and the last horiz. spindle on 21-spindles drilling head:
- Achsabstand zwischen dem ersten und letzten horiz. Spindel mit 21- Spindeln Bohrkopf:
- Entraxe entre le premier et le dernier mandrin horizontal avec têtes 21 mandrins:
- Distancia max. entre dos taladros horizontales con peine con 21 brocas: 640 mm
- Interasse tra il primo e l'ultimo mandrino orizzontale con testine sdoppiate 11+11 mandrini:
- Pitch between the first and the last horiz. spindle on 11+11 split drilling heads:
- Achsabstand zwischen dem ersten und letzten horiz. Spindel mit einstellbaren 11 + 11 Spindeln Bohrköpfen:
- Entraxe entre le premier et le dernier mandrin horizontal avec deux têtes à 11+11 mandrins:
- Distancia max. entre dos taladros horizontales con peines partidos 11+11: 672 mm
- Massimo spessore dei pannelli:
- Max. panel thickness:
- Max. Werkstückdicke:
- Epaisseur maxi. des panneaux:
- Exesor max. panel: 60 mm
- Lunghezza massima pannelli (asse Y):
- Max. panel length (Y-axis):
- Max. Werkstücke Länge (Y-Achse):
- Longueur maxi. des panneaux (axe Y):
- Largo max. panel (eje Y): 1200 mm
- Profondità di foratura max.
- Max. drilling depth:
- Max. Bohrtiefe:
- Profondeur de perçage maxi.
- Profundidad de taladro max.: 60 mm
- Spostamento in altezza dei gruppi orizzontali max.:
- Max. upwards movement of the horizontal units:
- Max. Höhenverstellung der Horizontalbohraggregate:
- Déplacement en hauteur des groupes horizontales maxi.
- Posicionamiento vertical max. de las unidades horizontales: 35 mm
- Potenza motore a forare:
- Power of drilling motor:
- Bohrmotor Leistung:
- Puissance moteur à percer:
- Potencia motor de taladrar: 1.5/3 Hp 1.1/2.2 KW
- Potenza motore transfer:
- Power of transfer motor:
- Transfer-Motor Leistung:
- Puissance moteur transfer:
- Potencia motor transfer: 0,55 Hp 0,4 KW
- Velocità rotazione mandrini:
- Speed of spindles rotation:
- Spindeldrehzahl-Geschwindigkeit:
- Vitesse rotation mandrins:
- Velocidad revolución de las brocas (vueltas/min.) 3000/4500 giri/1'
- Pressione d'esercizio:
- Working pressure:
- Betriebsdruck:
- Pression de travail:
- Presión aire: 6-7 bar
- Dimensioni macchina:
- Dimensions of machine:
- Maschinenabmessungen:
- Dimension machine:
- Dimensiones maquina: 5550x2275x2200 mm
- Peso macchina:
- Weight of machine:
- Gewicht der Maschine:
- Poids machine:
- Peso maquina: 5700 Kg
- Bocche aspirazione:
- Extraction outlets:
- Absaughaube:
- Bouches aspirations:
- Conexión para la aspiración: nr. 2/Ø 80 - nr. 1/Ø 90
- Altezza piano di lavoro da terra:
- Height of work table (from the floor):
- Höhe der Arbeitsebene:
- Hauteur table de travail:
- Altura de trabajo: 970 mm

FS1 - 96



- Capacità di foratura cicli/min.:
- Drilling capacity cycles/min:
- Bohrleistung Zyklus/min.
- Capacité de perçage tours/min.
- Capacidad de taladrar hasta a (ciclos/min.) 20/28
- Larghezza minima/massima di lavoro fra i gruppi orizzontali (asse X):
- Minimum/maximum working width between the horizontal units (X-axis):
- Min./Max Arbeitsbreite zwischen den horiz. Bohraggregaten (Achse X):
- Largeur mini./maxi. de travail entre les groupes horizontaux (axe X):
- Anchura min. y max. de trabajo entre las unidades horizontales: 220/3210 mm
- Distanza max. fra inseritori di spine:
- Max. distance between dowel inserters:
- Max. Abstand zwischen den Dübeleintreibaggregate:
- Distance maxi. entre les dispositifs à poser tourillons:
- Distancia max. entre insertador de clavijas: 704 mm
- Numero max. di inseritori per lato:
- Max. nr. of dowel inserters per side:
- Max. Dübeleintreibaggregate-Anzahl je Seite:
- Numéro maxi. des dispositifs sur chaque côté:
- Nombre max. de insertador por lado: 8 mm
- Massimo spessore dei pannelli:
- Max. panel thickness:
- Max. Werkstückdicke:
- Epaisseur maxi. des panneaux:
- Exesor max. panel: 60 mm
- Lunghezza massima pannelli (asse Y):
- Max. panel length (Y-axis):
- Max. Werkstücke Länge (Y-Achse):
- Longueur maxi. des panneaux (axe Y):
- Largo max. panel (eje Y): 1200 mm
- Profondità di foratura max.
- Max. drilling depth:
- Max. Bohrtiefe:
- Profondeur de perçage maxi.:
- Profundidad de taladro max.: 60 mm
- Spostamento in altezza dei gruppi orizzontali max.
- Max. upwards movement of the horizontal units:
- Max. Höhenverstellung der Horizontalbohraggregate:
- Déplacement en hauteur des unités horizontales maxi.:
- Posicionamiento vertical max. de las unidades horizontales: 35 mm
- Potenza motore a forare:
- Power of drilling motor:
- Bohrmotor Leistung:
- Puissance moteur à percer:
- Potencia motor de taladrar: 1.5/3 Hp- 1.1/2.2 KW
- Potenza motore transfer:
- Power of transfer motor:
- Transfer-Motor Leistung:
- Puissance moteur transfer:
- Potencia motor transfer: 0,55 Hp - 0,4 KW
- Velocità rotazione mandrini:
- Speed of spindles rotation:
- Spindeldrehzahl-Geschwindigkeit (U/Min.):
- Vitesse rotation mandrins:
- Velocidad revolución de las brocas (vueltas/min.) 3000/4500 giri/1'
- Pressione d'esercizio:
- Working pressure:
- Betriebsdruck:
- Pression de travail:
- Presión aire: 6-7 bar
- Dimensioni macchina:
- Dimensions of machine:
- Maschinenabmessungen:
- Dimension machine:
- Dimensiones maquina: 5550x2275x2200
- Peso macchina con gruppi inseritori:
- Weight of machine with dowel inserting units:
- Gewicht der Maschine mit Dübeleintreibaggregate:
- Poids machine avec unités à poser les tourillons:
- Peso maquina con 2 grupos horizontales: 4000 Kg
- Bocche aspirazione:
- Extraction outlets:
- Absaughaube:
- Bouches aspiration:
- Conexión para la aspiración: nr. 2/Ø 80 - nr. 1/Ø 90
- Altezza piano di lavoro da terra:
- Height of work table (from the floor):
- Höhe der Arbeitsebene:
- Hauteur plan de travail:
- Altura de trabajo: 970 mm