

Paper Drilling Machine

PB.04N is a drilling machine with most optional equipment as standard. It provide perfect result with easy operation and high flexibility across a wide range of drilling operations. PB.04N includes all the function needed for high quality performance in production: drill bit cooling and lubrication, continuous variable stroke and spindle speed control, sliding table and drill belt.

Cam driven stroke movement and shaft & gear driven drilling heads guarantee precision, consistent performance and long service life for drill and drill bit, worm gear drilling head transmit consistent power and speed across all heads, it enables fast and easy head changeover and repositioning.



Technical Specifications

No. of drilling heads:
4 slim Dürselen drill heads (fits up to 6 heads or special drill heads - available to order)

drill bit diameter:
3 - 14 mm / 1/8" - 5/8"

hole separation
with standard drill heads:
minimum 31.7 mm - maximum 293 mm

hole separation
on multi-spindle heads:
minimum 19,05 mm / 3/4"

manual sliding table
with program index trims
minimum hole separation:
7 mm / 9/32"

travel of sliding table:
230 mm / 9" maximum

dimensions of sliding table:
450 mm (w) x 300 mm in (d) /
17 3/4" x 12"

spine margin:
maximum 42 mm / 1 5/8"

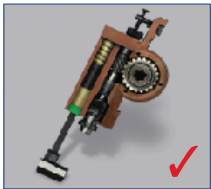
maximum pile height:
50 mm / 2"

space requirements:
890 mm (w) x 950 mm in (d) x
1.450 mm (h) / 35" x 37 1/2" x 57"

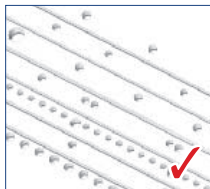
power requirements:
400 volts, 3 phases, 50 cycles,
16 A, 1,9 kW

air consumption
for cooling and lubrication:
100 litres per minute at 2 bar
pressure

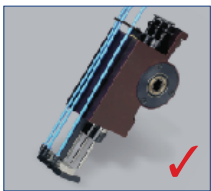
option:
internal drill bit impulse
lubrication to customer
specification - essential for sticky
materials and many plastics



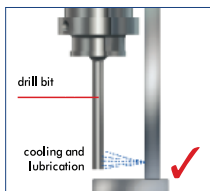
4 Dürselen slim drilling heads -
for narrow hole spacing: 31.7 mm /
1 1/4" wide - accommodating bits
3 - 14mm



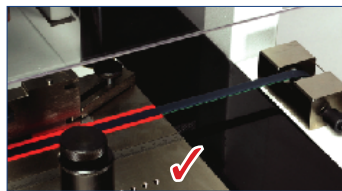
program index trim for common
hole patterns (other patterns to
customer specification)



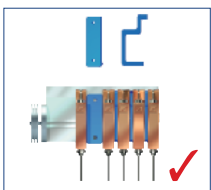
multi-spindle e.g. 2, 3, or 7
spindles and oversize hole heads
retro-fit options (to customer
specification)



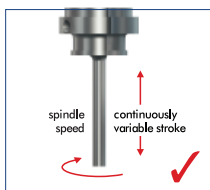
drill bit cooling and lubrication for
perfect results and extended drill
bit life



drill belt as drilling support for clean, consistent drilling
to the bottom sheet - simple hand wheel advance - no
drill stick or support repositioning



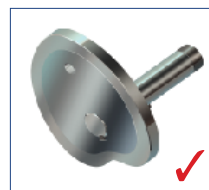
spacers for common hole patterns
(two sets) for easy, safe set-up,
no test drilling required (other
spacings to customer specification)



continuously variable stroke and
spindle speed - optimal adjustment
to match drill bit diameter and
substrate



quick change drill bits and easy drilling head
positioning - increased flexibility and reduced
make ready time



accurate stroke length and constant stroke speed
under constant velocity cam profile drive:
consistent penetration and reduced drill bit wear
and breakage