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DOUBLE PRESS for COILS DPC-3000

The double press for coils DPC-3000 is designed to press mold the ground wall insulation of large high voltage motors and generators. The press can press both legs of a full stator coil or two stator bars simultaneously per cycle. Each bank of the press can be operated independently, which, in the case of bars, allows the loading and unloading of one side of the press, while the other side is in operation. The two banks can be programmed for different time vs temperature cycles but they must share the same pressure due to the hydraulic system, which is common to both sides.

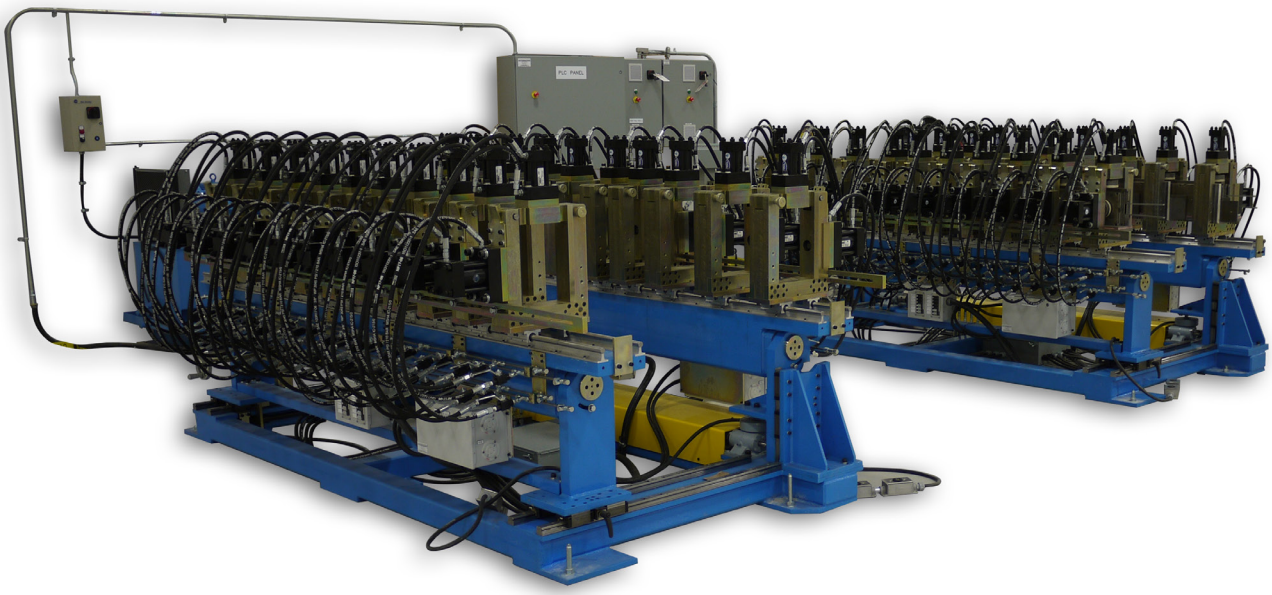
Each double press consists of two banks of 10 pressing heads, one for the bottom coil side and one for the top (air gap) coil side. The base of the press is fabricated from hollow structural steel sections.

Two hydraulic cylinders are mounted on each head, one in the horizontal direction and one in the vertical direction.

The vertical cylinder of each head is mounted on a hinged member, which can be pivoted to the open position to allow the stator coil to be inserted or removed from the press.
All press heads of a given side or bank (bottom coil side or top coil side) are mounted on linear bearings. This ensures accurate alignment and allows the heads to be positioned for different slot lengths.

Two types of layout are offered:

- one only double press with one control system and one hydraulic system,
- two double presses with one control system and one hydraulic system.



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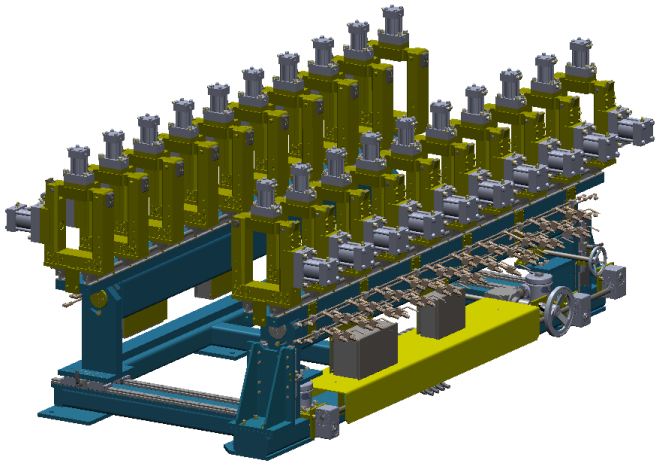

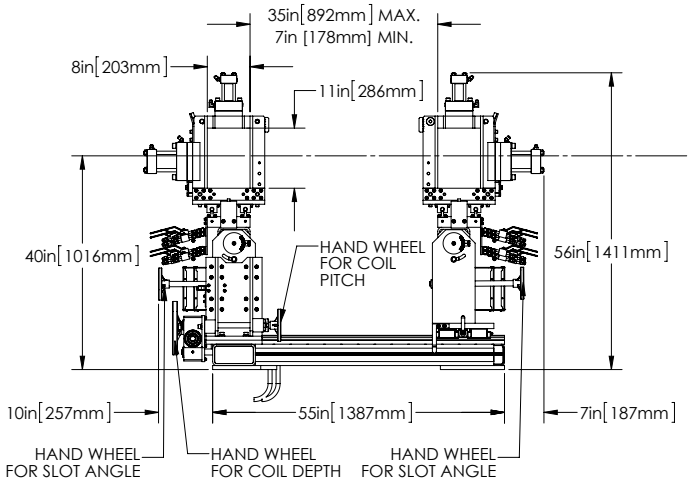

TECHNICAL DATA

Machine data

Height (without hoses):	56” (1 411 mm)
Length:	124” (3 150 mm)
Width (without hoses):	75” (1 905 mm)
Working height:	40” (1 016 mm)
Supply voltage:	575 V / 60 Hz / 3 Ph
Power unit AC motor power:	15 HP (11 kW)
Number of pressing heads per press:	20
Number of pressing heads per bank:	10
Oil pressure:	2 000 PSI (135 bar)
Coil slot angle adjustment:	40°
Max. coil pitch*:	35” (892 mm)
Min. coil pitch*:	7” (178 mm)
Weight:	10 000 lb (4 500 kg)

*: Pressing heads in vertical position

Pressing head

Horizontal force:	16 500 lbf (7 400 daN)
Vertical force:	6 250 lbf (2 780 daN)
Opening:	8”x11” (203 mm x 286 mm)

Heating plate (option)

Max. length:	120” (3 048 mm)
Max. temperature:	400°F (200°C)