

BENCH PRESS TOOLS

Pneumo-hydraulic with interchangeable dies



Pneumo-hydraulic, production bench press, controlled by a foot operated pedal, provides a consistent and reliable crimped connection. Extensive range of interchangeable dies available for crimping a wide variety of connectors.

NOTE: for applications not listed, please contact Cembre.



PNB-1 detail of the crimping zone with PU-1 guard.

### TECHNICAL FEATURES

Nominal operating pressure	100 psi
<b>Dimensions in.</b>	
Width	7.09
Depth	12.6
Height	27.56
Weight lbs. (without dies)	50.72

### INTERCHANGEABLE DIES (to be ordered separately)

Die Set	Guard*	Connector Type			Nominal Conductor Size AWG
PV-1	PU-1	Insulated Connectors	green		24÷20
PR-1			red		22÷16
PB-1			blue		16÷14
PG-1			yellow		12÷10
PH1-1	PH-1**	Through connectors PE HD insulated		20÷10	
		NL-M, NL-P connectors PA6.6 insulated		22÷10	
KE0.75-1	PK-1	End Sleeves	KE, PK...		22 - 20 - 18
KE2.5-1					17- 16 - 14
KE10-1					12 - 10 - 8÷7
MTT16-50	ME-1				6÷5
MTT25-50					4
N1-1	PU-1	A 03-M..	S 1.5-..	RN-..	22 - 16
		A 06-M..	S 2.5-..	BN-..	16 - 14
		A 1-M..	S 6-..	GN-..	12 - 10
MY2-50	ME-1	Bare color code copper lugs		C8	8
MY3-50				C6	6
MY4-50				C4	4
MY5-50				C3	3
MY6-50				C2	2
MY7-50				C1	1
MY10-50				C1/0	1/0
MN2RF-50	MN RF-1	Nylon Insulated Lugs		ANE2-M..	8
MN3RF-50				ANE3-M..	6
MN5RF-50				ANE5-M..	5
MN7RF-50				ANE7-M..	
				ANE9-M..	2

\* Supplied as standard with the machine \*\* Supplied as standard with the die

## BENCH PRESS TOOL

Pneumatic

### TECHNICAL FEATURES

Nominal operating pressure 87±100 psi

### Dimensions in.

Width 5.12  
Depth 14.57  
Height 7.68  
Weight lbs. 22.71



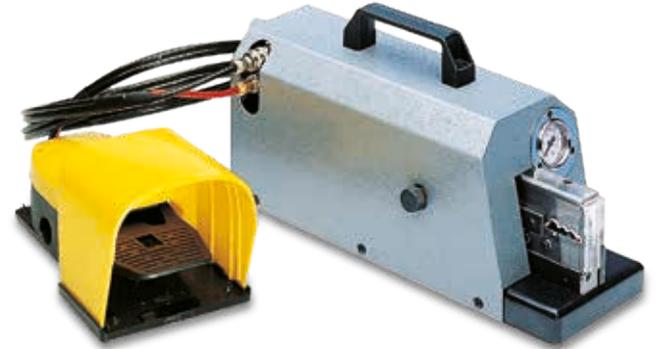
PNB-3P detail of the crimping zone.

### BENCH PRESS RANGE

Type	Connector Type	Conductor Size AWG
PNB-3P*	Insulated connectors red, blue and yellow	22÷10
PNB-3PD	Insulated terminals and butt connectors - frontal insertion	22÷10
PNB-3N1	Uninsulated terminals	22÷8
PNB-3N5	Uninsulated terminals	8÷6
PNB-3NN3	Polyamide insulated terminals	16÷8
PNB-3NN4	Polyamide insulated terminals	8÷6
PNB-3F/M	Bullet connectors	20÷14

\* Will also crimp Polycarbonate fully-insulated terminals if fitted with PNB3F/M positioner (Cod. 6240145), available as an optional accessory.

Pneumatic bench press operated by foot pedal for crimping terminals and connectors 23 to 5 AWG.



## BENCH PRESS TOOL

Pneumatic with multi-aperture die

### TECHNICAL FEATURES

Nominal operating pressure 87 psi

### Dimensions in.

Width 4.72  
Depth 6.3  
Height 11.81  
Weight lbs. 13.23



PNB-4KE detail of the crimping zone.

### MULTI DIES

Type	Connector Type	Conductor Size AWG
PNB-4KE	End Sleeves type PK.. and type KE	22÷8

Pneumatic bench press, controlled by a foot operated pedal.

Supplied with a multi-aperture die suitable for crimping insulated and uninsulated end sleeves from 22 to 8 AWG.

Compact and efficient. Easy to operate, producing a secure and reliable crimped connection.



## PNB-4KE



Bench press type EPB-1N, electro-pneumatically operated, is designed for stripping and crimping insulated end sleeves Cembre type PKC, PKD and PKE.

The basic configuration processes connectors of c.s.a 20/18/17 and 16 AWG with a sleeve lengths of 0.24, 0.31, 0.39 and 0.47 in.

Adapter kits are available:

**KIT-2.5-EPB1N**

for insulated end sleeves c.s.a 14 AWG with a sleeve length of 0.31, 0.39 and 0.47 in.

**KIT-4-EPB1N**

for insulated end sleeves c.s.a 12 AWG with a sleeve length of 0.39 in.

Stripping and crimping operations are carried out in quick succession. Adjustable loading speed of vibrating charger.

Quick and easy change of configuration for different connector sizes. Automatic adjustment of operating parameters to suit each configuration. Modular structure and wear-free components guarantee excellent reliability.



**TECHNICAL FEATURES**

<b>Crimping Range</b>	20-16 AWG (basic configuration)
<b>Dimensions in.</b>	
<b>Length</b>	15.3
<b>Width</b>	9.4
<b>Height</b>	19.3
<b>Weight lbs.</b>	63.9
<b>Power Supply</b>	230 V/50 Hz (110 V/60 Hz)
<b>Current</b>	0,5 A
<b>Length of crimp</b>	0.24, 0.31, 0.39 and 0.47 in.
<b>Geometry of crimp</b>	Trapezoidal
<b>Cycle time</b>	2 s
<b>Compressed Air supply</b>	Min. 58 - Max 87 psi
<b>Air consumption</b>	1,2 l / cycle
<b>Cycle controller</b>	Electro-pneumatic, with microprocessor
<b>Counter</b>	Digital



Adapter Kit for insulated end sleeves c.s.a 14 AWG (KIT-2.5-EPB1N) (KIT-4-EPB1N)



## PNEUMATIC CRIMPING TOOLS

Hand held - PNB series

### PNB-6KE TECHNICAL FEATURES

<b>Crimping Range</b>	24 ÷ 14 AWG / 0,25 ÷ 2,5 sqmm
<b>Dimensions in.</b>	
<b>Length</b>	7.9
<b>Width Ø</b>	1.7
<b>Length with spiral hose</b>	78.7
<b>Weight lbs.</b>	0.88

### PNB-7KE TECHNICAL FEATURES

<b>Crimping Range</b>	12 ÷ 8 AWG / 4 ÷ 10 sqmm
<b>Dimensions in.</b>	
<b>Length</b>	7.9
<b>Width Ø</b>	1.7
<b>Length with spiral hose</b>	78.7
<b>Weight lbs.</b>	0.88

PNB-6KE and PNB-7KE hand tools facilitate the rapid crimping of insulated end sleeves while avoiding the operator discomfort associated with ordinary manual tools.

Lightweight and easy to use, these tools are ideal for panel building applications and component assembly.

Both tools are designed to be maintenance-free and need no routine calibration. A 58 - 87 psi air supply is required for connection via the quick coupler fitted to the hose supplied with the tool.



## PNEUMATIC CRIMPING TOOLS

Bench mounted tools with foot pedal - PNB series

### PNB-6KE-T TECHNICAL FEATURES

<b>Crimping Range</b>	24 ÷ 14 AWG / 0,25 ÷ 2,5 sqmm
<b>Dimensions in.</b>	
<b>Length</b>	7.9
<b>Width Ø</b>	5.5
<b>Height</b>	2.7
<b>Length with spiral hose</b>	78.7
<b>Weight lbs.</b>	2.2

### PNB-7KE-T TECHNICAL FEATURES

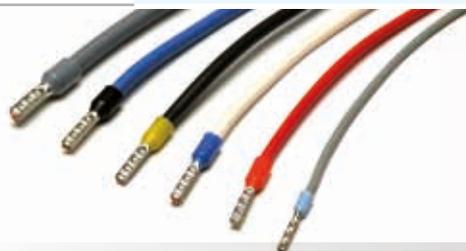
<b>Crimping Range</b>	24 ÷ 14 AWG / 0,25 ÷ 2,5 sqmm
<b>Dimensions in.</b>	
<b>Length</b>	7.9
<b>Width Ø</b>	5.5
<b>Height</b>	2.7
<b>Length with spiral hose</b>	78.7
<b>Weight lbs.</b>	2.2

PNB-6KE-T and PNB-7KE-T have bench mounts with storage and are foot pedal operated to allow operators to have both hands free when assembling cable harnesses.

Both tools are designed to be maintenance-free and need no routine calibration.



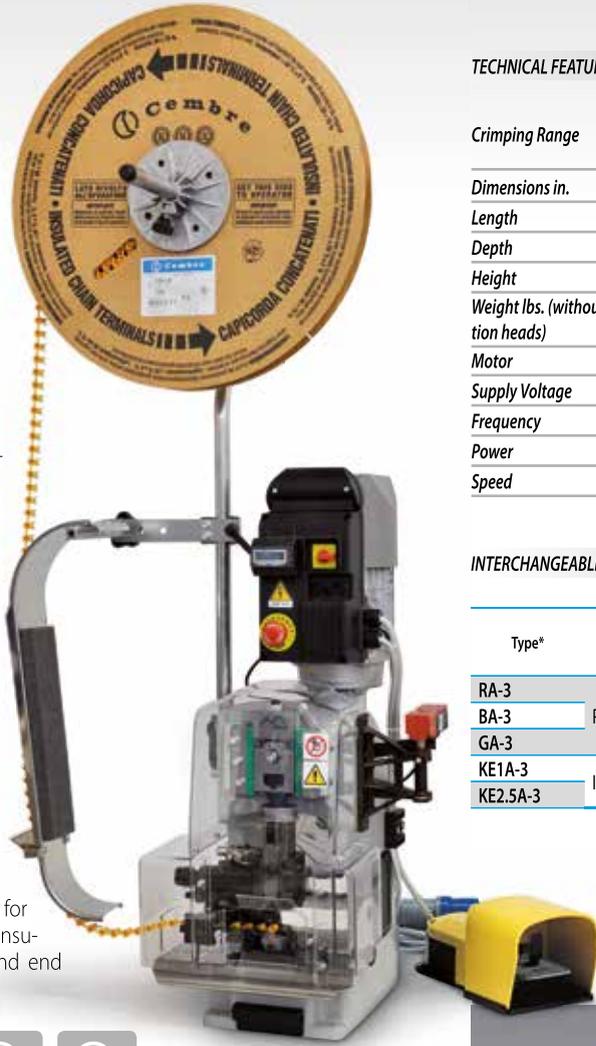
A 58 - 87 bar air supply is required for connection via the quick coupler fitted to the hose supplied with the tool.



for Polycarbonate insulated chain connectors



Electro-pneumatic, production bench press, controlled by a foot operated pedal. Producing a consistent and reliable crimped connection. Interchangeable application heads available to suit the complete range of Polycarbonate insulated connectors.



See pages 8-9 and 20 for types and features of the insulated chain connectors and end sleeves.



Conforms to DIN Standard 46 228/4

### TECHNICAL FEATURES

<b>Crimping Range</b>	Polycarbonate insulated chain terminals $23 \pm 10 \text{ mm}^2$ and insulated chain end sleeves $20 \pm 13 \text{ mm}^2$
<b>Dimensions in.</b>	
Length	7.09
Depth	9.84
Height	24.4
Weight lbs. (without application heads)	90.4
<b>Motor</b>	
Supply Voltage	110V / 60Hz
Frequency	50Hz
Power	0,55 kW / 0,75 HP
Speed	2,800 turns/minute

### INTERCHANGEABLE APPLICATION HEADS, SIDE ENTRY WITH PNEUMATIC FEED

Type*	Connectors	Conductor Size AWG
RA-3	Polycarbonate insulated chain terminals	23±15
BA-3		15±13
GA-3		11±10
KE1A-3	Insulated chain end sleeves	20±17
KE2.5A-3		17±13

\*order as required

