

**FLAME  
FLAME - PLASMA CUTTING**

**LINEACORD PCL**



**& Machine Tools, Inc.**

14824 Rockbridge Road, Little Rock, AR 72206 Phone 501-897-1110 Fax 501-897-4090  
New and Used Metal Machine Tools, Fabricating Machinery, Metal Finishing Equipment and Material Handling  
website [www.smfmachinetools.com](http://www.smfmachinetools.com) email [sales@smfmachinetools.com](mailto:sales@smfmachinetools.com)





PCL



*Designed to meet the exact requirements for quality and economical thermal cutting the Lineacord PCL offers different options for flame and plasma cutting, as well as parts marking.*

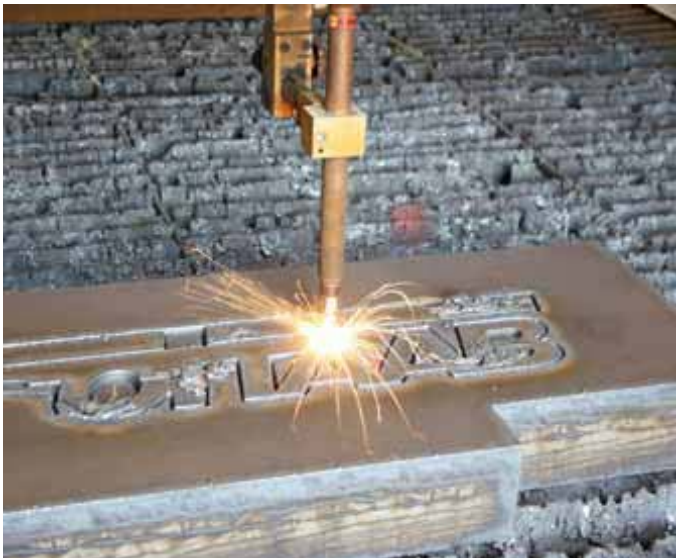
*The PCL is built on a modular concept which allows for the easy addition of extensions or extra torch retrofits. Innovation and technology.*

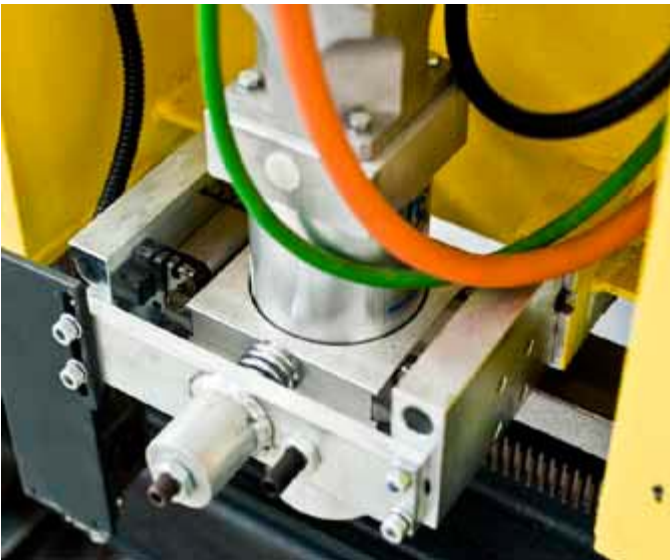
*The Lineacord PCL complies with the high quality standards of the cutting machines which is the feature of all Soitaab products. Soitaab is an ISO 9001: 2008 certified company.*



PCL –

The high performance of the PCL is ensured by a strong mechanical structure, as well as the use of latest, most up to date electronic components. The construction methods used in the PCL give the machine a distinct dynamic behavior which guarantees the cut quality - particularly on sharp corners.





## PERFORMANCE

Lineacord PCL has a twin longitudinal drives with brushless motors and digital servo amplifier with gantry control. The motion is made by means of rack and pinion coupling and spring loaded device for backlash compensation.

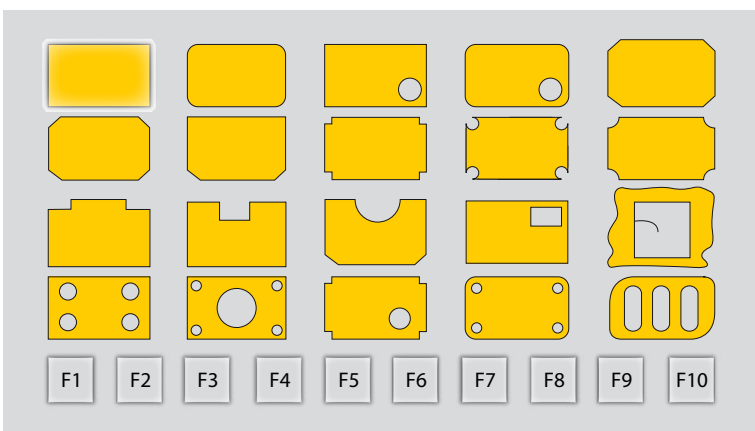
A gas manifold with proportional valve for oxygen cutting is provided in case of flame cutting configuration.

- > Each single torch has a piercing capacity of 100mm (one torch)
- > Each single torch has a cutting capacity of: 250mm with cutting table's height in special version (lower than standard height)
- > Two torches has a cutting capacity of: 200mm with cutting table's height in special version (lower than standard height)
- > Four torches has a cutting capacity of: 100mm with cutting table's height in standard version of 650mm



La Lineacord PCL è basata su un concetto di modularità e possibilità di future estensioni con estrema facilità. Viene proposta in varie larghezze di taglio da 1500 fino a 3500 mm.

*The PCL is build on a modular concept which allows for the easy addition of extensions or extra torch retrofits. The PCL is available in different cutting widths ranging from 1500 - 3500 mm.*



### Modello SOITAAB CNC II

- > Video S-VGA 10,5".
- > Display grafico a colori.
- > Porta USB per vari usi ed interfaccamenti.
- > Porta ethernet per collegamento in rete ETHERNET 10/100Mb.
- > Codice programma Standard ISO.
- > Assi supportati 8.
- > Simulazione grafica "pezzo" e del "percorso utensile" e "cattura" di porzioni con individuazione immediata del blocco di programma che le descrive (editor grafico interattivo).
- > Libreria di figure parametriche e con possibilità di configurazione attacchi e ripetizione pezzo a matrice direttamente a bordo con la creazione dell'output alla macchina.
- > Gestione delle diverse tecnologie di taglio da menù grafico. Menù d'uso semplice e intuitivo "user friendly".
- > Teleassistenza.

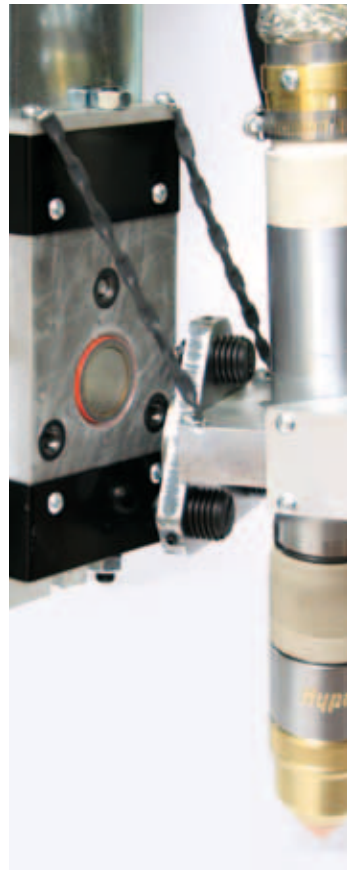
### MODELLO SOITAAB CNC II

- > S-VGA 10,5" monitor.
- > Colour Grafical Display.
- > USB port for different usage and interfaces.
- > Ethernet port for ETHERNET LAN connection 10/100Mb.
- > ISO Standard programming codes.
- > 8 axes supported.
- > Graphical simulation of the part program as well as dry run and interactive grafical editor.
- > Fixed shapes library with the possibility to create the leads in and leads out and pieces repetition in X and Y directions.
- > Selection of different cutting technologies from graphical menu. Intuitive and user friendly menu.
- > Remote assistance.



Tastatori capacitivi ed accenditori | *Capacitive height control, electric ignition*    Parcheggio laterale dei carrelli | *Side parking of the carriage*

Sono disponibili diversi accessori come i tastatori per il controllo automatico dell'altezza costante, gli accenditori automatici ecc.  
*Different options are available such as capacitive height control, electric ignition etc.*



Anticollisione magnetico | *Magnetic anticollision device*



Gruppo 3 cannelli manuale | *Manual triple torche head*



Marcatore a bulino | *Punch marker*

	PCL 20	PCL25	PCL30	PCL35	PCL40	PCL45
<b>Interasse</b> <i>Rail span</i>	2000 (mm)	2500 (mm)	3000 (mm)	3500 (mm)	4000 (mm)	4500 (mm)
<b>Corsa utile con 3 utensili</b> (2 sul master + 1 carrello asservito) <i>Cutting width master + 1 slave</i>	1000 (mm)	1500 (mm)	2000 (mm)	2500 (mm)	3000 (mm)	3500 (mm)
<b>Riduzione larghezza per carrello aggiuntivo</b> <i>Width reduction for additional carriage</i>	155 mm per carrello ossitaglio - 250 mm per carrello plasma 155 mm for flame carriage - 250 mm for plasma carriage					
<b>Larghezza utile di taglio con 4.000 mm di binario</b> <i>Cutting length with 4.000 mm track</i>	2000 (mm)					
<b>Numero massimo carrelli</b> <i>Maximum number of carriages</i>	4	4	6	6	6	6
<b>Numero massimo carrelli ossitaglio</b> <i>Maximum number of flame carriages</i>	4	4	4	4	4	4
<b>Numero massimo carrelli plasma</b> <i>Maximum number of plasma carriages</i>	2	2	2	2	2	2
<b>Interasse minimo cannelli</b> <i>Minimum distance between torch</i>	155 (mm)					
<b>Spessore massimo di taglio con un cannello</b> <i>Max cutting thickness (1 single torch)</i>	150 mm - 250 mm con banco ribassato 150 mm - 250 mm with lower table height					
<b>Ingombri macchina   Machine dimensions</b>						
<b>Larghezza massima</b> <i>Overall width</i>	3012 (mm)	3512 (mm)	4012 (mm)	4512 (mm)	5012 (mm)	5512 (mm)
<b>Lunghezza massima (lato CN)</b> <i>Overall length (CN side)</i>	2200 (mm)					
<b>Altezza</b> <i>Height</i>	3100 (mm)					
<b>Altezza banco</b> <i>Cutting table height</i>	650 mm standard - 550 mm ribassato 650 mm standard - 550 mm for lower table					
<b>Velocità rapida</b> <i>Positioning speed</i>	20,000 (mm/min.)					
<b>Gas utilizzabili</b> <i>Fuel gases</i>	Propano - Metano - Acetilene Propane - Natural gas - Acetylene					
<b>Plasma abbinabili   Plasma application</b>						
HT2000 o equivalente <i>HT2000 or equivalent</i>	HPR 130XD o equivalente <i>HPR 130XD or equivalent</i>	HPR 260XD o equivalente <i>HPR 260XD or equivalent</i>	HPR 400XD o equivalente <i>HPR 400XD or equivalent</i>			
<b>Alimentazione elettrica</b> <i>Main voltages</i>	400V trifase 50Hz (a richiesta 60Hz) 400V triple phase 50Hz (as optional 60 Hz)					
<b>Potenza installata (solo macchina)</b> <i>Power (only machine)</i>	4 kW					

La Soitaab si riserva il diritto di modificare senza preavviso le caratteristiche di ogni suo modello.  
Tutti i dati contenuti nel presente opuscolo sono quindi da considerarsi indicativi e non vincolanti.

*Soitaab reserves the right to modify without any prior notice, the technical characteristics of each of its models.  
All data included in the present catalogue are to be considered indicative and not binding.*



**SOITAAB IMPIANTI SRL**

Via Eligio Brigatti, 75 - 20885 Ronco Briantino (MB)  
Tel. +39 0396079131 - Fax +39 0396079119

**DIVISIONE SEGATRICI:**

Via del Lavoro, 9 - 20061 Carugate (MI)  
Tel. +39 029253895 - Fax +39 0292150095

[www.soitaab.com](http://www.soitaab.com) - [info@soitaab.com](mailto:info@soitaab.com)