

**ERMAK**<sup>®</sup>  
Sheet Metal Working Machinery

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CNC Punch Pres

**FPP**



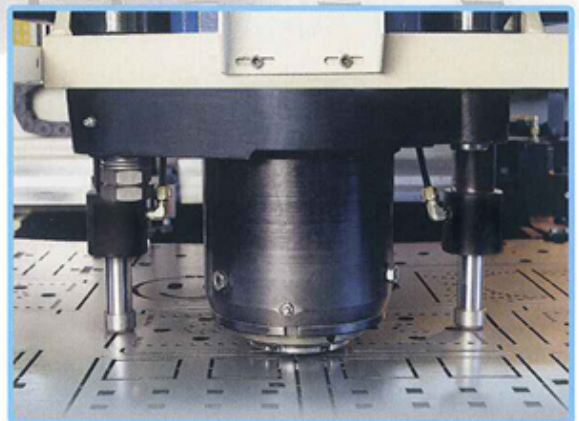
## NEW GENERATION PUNCH PRES



### **BOTTOM AND TOP TOOL SYSTEM**

Sensitive and durable ERMAK-BIEMMETI brand standard sextet multi tool or thick turret D station or octet multi tool is used at bottom and top tool system.

Trio, quartet, fivefold, sextet and octet multi tools, B, C and D type stations, Wilson tools single can be adapted to the machine and are available upon request. Many operations are possible to make as special for stainless steel sheets processing, forming with functional tools, perforating various diameters and special evacuating.



# CNC PUNCH PRESS

FPP series manufactured by ERMAKSAN's proved quality and experience on production of sheet metal workbenches is being presented to the utility of our clients open to technology and continual innovation. Strong mono block rigid C type body built up by stress relieved welded steel construction has high acceleration axes and designed to allow sheet loading from 3 sides ergonomically and the operation to be watched easily. Sheet processing can be done multi-directional and flexible until 6 mm thickness on ERMAK Punch Press. Hydraulic, electronic, electric and mechanic components that are respected with its high quality worldwide have been used on the machine.





## CNC CONTROLLER

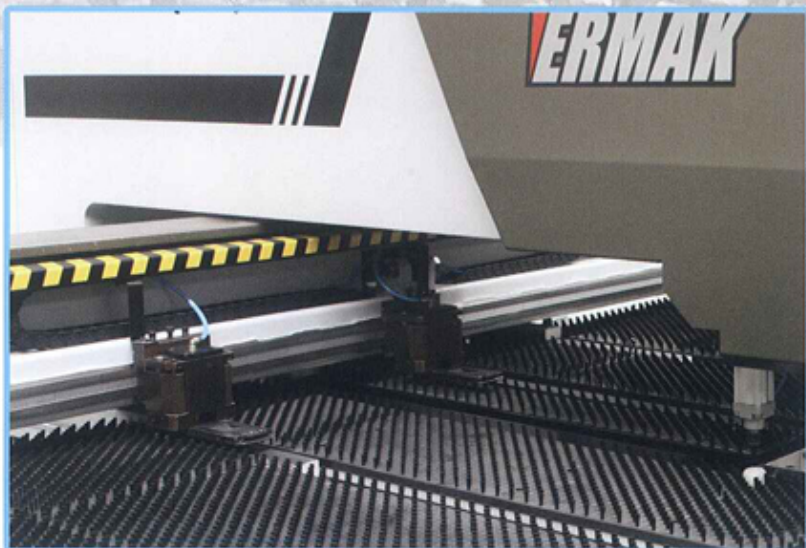
GE Fanuc series 18i-PB controller has 10,4" color LCD screen, 512 KB part program memory, all related punch functions, program transfer availability with PCMCIA and ETHERNET, worldwide Fanuc Service advantage is being used on this machine.

Ergonomically designed control panel can be moved around machine easily. Protective UPS (Power Source) is included for electricity cut off and voltage undulation.



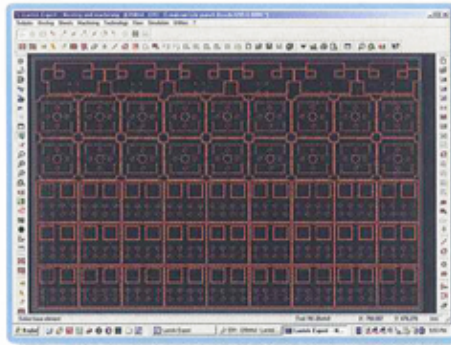
## SHEET HOLDERS

Automatic repositioning to process sheets long than 2000 mm. Two pieces of sheet holder clamp opens with spring tension and tightens with pneumatic is being used on the machine. Sheet is pinched without causing any deformation to provide sensitive processing. Moreover pneumatic sheet referencing bar and CAD/CAM controlled pneumatic trap to drop the cut part to the wheeled part box.



# Lantek Lite Punch OFFERS THE MOST PRODUCTIVE SOLUTION FOR PROGRAMMING CUTTING MACHINES

*This new design is the fourth generation of programs and is the result of Lantek's more than 15 years experience in providing solutions for the sheet metal processing industry.*



## **Easy to learn.**

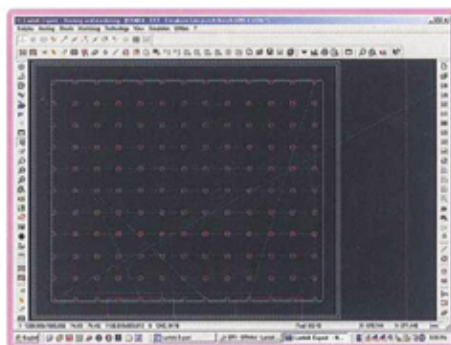
Lantek Expert Punch is designed to reduce learning time to a minimum. Simple, user-friendly menus guide users at all times, enabling them to produce parts from the first day.

## **Integration.**

Integrates part design, nesting and manufacturing technology in just one programme. This integration reduces the time and effort required to generate numerical control programmes.

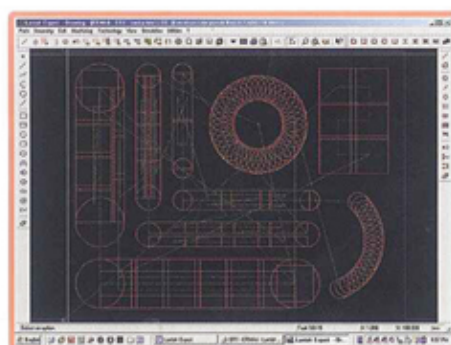
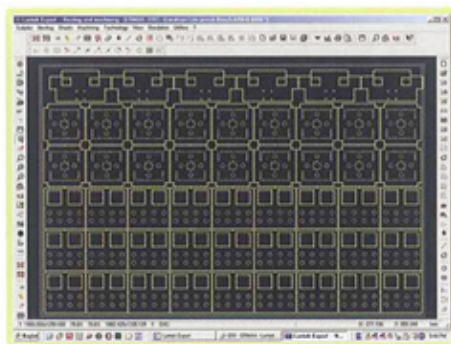
## **Benefits:**

Excellent integration into Lantek Expert III (From Quotation to Invoicing) reduces data entry significantly. Excellent nesting features including best sheet selection reduces scrap. Excellent costing and time calculation including all consumable and raw material, improves efficiency and allows accurate scheduling. Integration into the sheets database allows efficient tracking and control of inventory. Advanced machining options allow for very efficient machining. Fully automatic tooling saves on setup times.



## **Summary:**

2D CAD Module Automatic dimensioning Parametric Shapes Library Import DXF, DWG Files Possibility to save the drawing of the nesting in a file with WMF format or with DXF format Automatic geometry verification and error correction Manual, automatic & interactive Nesting (collision control) True-shape Nesting Nesting for common punching Interactive technology assignment (manual & automatic) Standard reports (Factory sheets report, Sheets report, Geometry report, Parts report, Labels report, Time and Cost reports, etc) Automatic part quantity tracking Automatic calculation of part area, weight, machining time and cost. User-definable cost parameters Automatic processes Communications Flexible automatic sequencing options Common Punching Automatic tooling Automatic work-chute management Automatic micro-joint management Automatic clamp avoidance control Automatic repositions User definable punching macros Shear Management Integrated parts database Integrated Tools and Dies database Integrated material Database Automatic plate cropping and remnant creation Automatic nesting on remnant sheets



## FPP 1270-30 TECHNICAL FEATURES

All specs are subject to change without notice

MAXIMUM TONNAGE	ton	30
MAXIMUM CAPACITY (Thickness, X,Y)	mm	6,35x 1270x2000
MAXIMUM PUNCH DIAMETER (MULTI TOOL)	mm	Ø22
MAXIMUM PUNCH DIAMETER (Sheet is 1 mm Thickness) (SINGLE TOOL)	mm	Ø89,9
MACHINE AXES	-	X, Y, A
X AXIS TRAVEL	mm	2000 + Repos.
X AXIS VELOCITY	m/min.	70
Y AXIS TRAVEL	mm	1270
Y AXIS VELOCITY	m/min.	70
A AXIS VELOCITY	m/sec.	100
X + Y DEPENDENT VELOCITY	m/min.	99
MAXIMUM PUNCH STROKE For Nibbling 5 mm Stroke	stroke/min.	900
MAXIMUM PUNCH STROKE Per Minute For* 1 mm step X Movement, 1 mm step Y axes Movement, 1 mm Sheet thickness	stroke/min.	600
MAXIMUM PUNCH STROKE Per Minute For* 25 mm step X Movement, 25 mm step Y axes Movement, 1 mm Sheet thickness	stroke/min.	350
POSITION ACCURACY	mm	± 0,03
POSITION TOLERANCE	mm	± 0,1
MULTI TOOL CHANGE TIME	sec.	12 - 15
SHEET WEIGHT FOR MAXIMUM VELOCITY	kg	25
MOTOR	kW	15
OIL CAPACITY	lt	300
MAXIMUM STROKE	mm	40
SHEET CLAMPING	pieces	2
SHEET CLAMPING FORCE	kg	1200
OPERATOR PANEL	-	GE Fanuc 18i-PB 10,4" color LCD screen, 512 kb, PCMCi ve ETHERNET
POSITION CONTROL	-	LVTD, SCHNEIDER
SERVO AXES	X,Y	FANUC AC FANUC FSSB INTERFACE
WORKING HEIGHT	mm	950
TABLE DIMENSION	mm	2450 x 4000
TABLE TYPE	-	brushed
MACHINE LENGTH	mm	4250
MACHINE WIDTH	mm	4000
MACHINE HEIGHT	mm	2220
SHIPMENT DIMENSIONS	mm	2325x4250
WEIGHT	kg	11000
CAD/CAM Software LANTEK EXPERT Lite PUNCH Standart Manual Nesting (1 pieces soft, 1 pieces dongle) Optional Automatic nesting	license	one license, Postprocessor
TOOLING	ERMAK BIEMMETI MULTI TOOL 6 pieces (D statitons)	PUNCH, DIE, STRIPPER Comple (A Stations) Round 8,10,20, Rectangle 4x20 mm (2 pieces), Square 15x15 mm (1 pieces)
TABLE	-	-

Consult to our company for special dimension and capacity applied machines

