

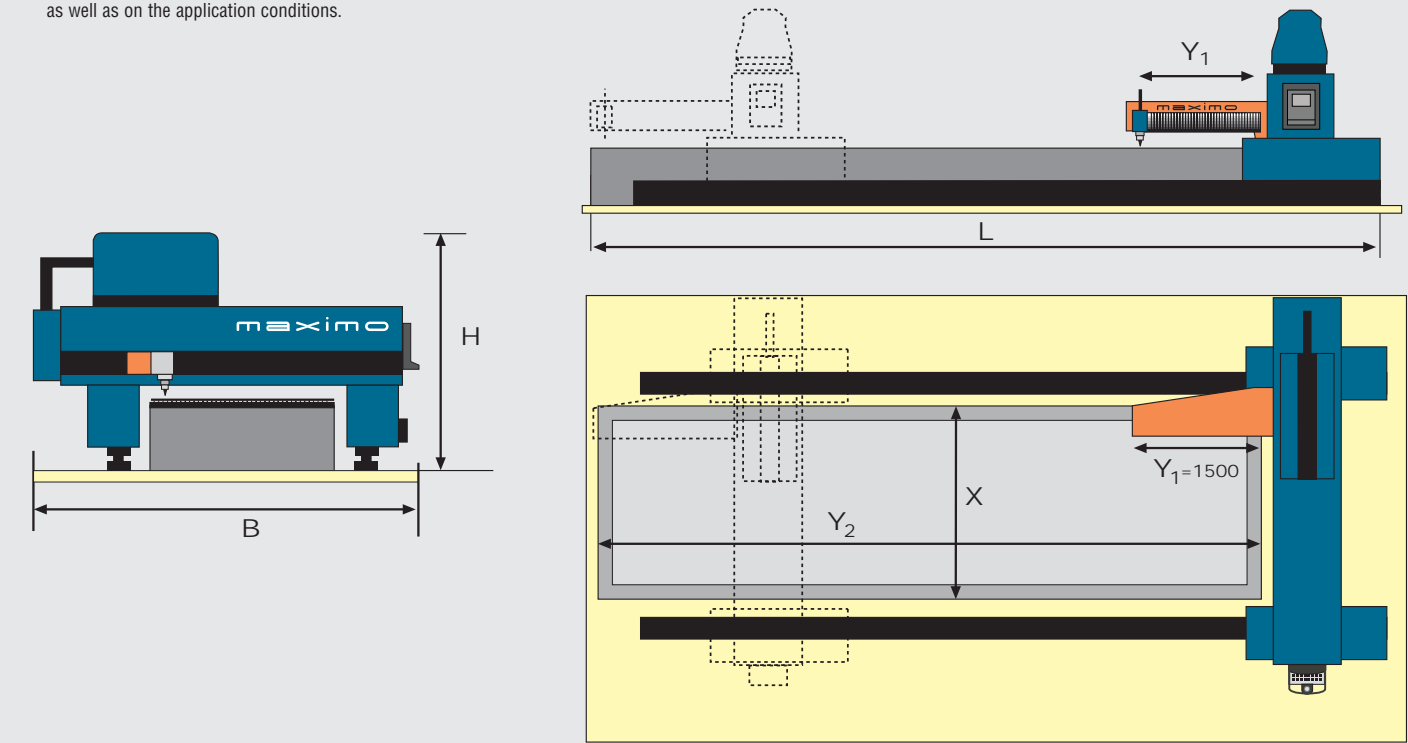
TECHNICAL SPECIFICATIONS

Work area	X	Y ₁	Z	Y ₂ *
	mm	mm	mm	mm
	3000	1500	150	6000-36000
Axis Speed X, Y ₁ Y ₂	80 m/min 15 m/min			
Linear axis resolution (X, Y ₁)	0.001 mm			
Linear axis accuracy ** (X, Y ₁): • according to VDI/DGQ 3441 standards • measurement length: complete stroke	Positioning accuracy (Pa): 0.03 mm Repeatability (Ps): 0.03 mm			
Maximum overall dimensions	Length (L)	Width (B)	Height (H)	
	mm	mm	mm	
	14300-44500	5850	3000	
Colours	Blue RAL 5012 - Blue RAL 5001 - Orange RAL 2008			

NOTES:

(*) Actual Y₂ stroke: from 7740 mm to 37980 mm for machine "parking" area.

(**) The accuracy of the piece depends on its type, dimensions and pretreatment, as well as on the application conditions.



Copyright PRIMA INDUSTRIE S.p.A. The information contained in this document are subject to changes and therefore are not binding O/GB/01/MXM/100/9

maximo



FAST, ACCURATE AND RELIABLE,
AS LARGE AS YOU WISH



PRIMA INDUSTRIE S.p.A.
Via Antonelli, 32 - 10097 Collegno (To) ITALIA
Tel. +39.011.4103.1 - Fax +39.011.411.28.27 - E-mail: prima.sales@primaindustrie.com

You can find your local contact at: www.primaindustrie.com



All the advantages of a small, accurate and fast machine in an unlimited work area.

MAXIMO is a large cutting system based on the well proven PLATINO, the PRIMA INDUSTRIE 2D laser machine.

MAXIMO can boast all the advantages of that well known, accurate and fast machine combined with a very large work area.

This result is obtained with a simple but highly effective solution: **a complete PLATINO machine** - with its mechanical structure, laser generator, CNC, moving carriages, optical chain and focusing head - **travelling on rails** over a fixed working table, processing sheets of any lengths with the only limitation of the space available in the workshop.

In addition to the movement axes of the PLATINO machine (the **Z-axis** for the vertical movement, the **X- and Y₁-axis** for the longitudinal and transversal one), MAXIMO features a further **Y₂-axis**, which allows the machine to move beyond its Y₁-axis stroke, as far as the sheet metal to be processed requires.

MAXIMO can be equipped with one or more piece supporting tables (length on customer's demand) and the relevant devices for fumes extraction and scraps collection.



platino

reliable and easy to use even for the less experienced operator:

- the **focal axis** for the automatic and programmable adjustment of the focal position independently of the stand off, which allows cutting a variety of materials and thicknesses without manual interventions and keeps the process accurate in the entire work area;
- the **rapid lens changing** system (from 5" to 7.5");
- the **off-line 2D CAD/CAM** and the "**nesting**" software package for quick, easy and cost-effective programming;
- the **fast-piercing unit** for ferrous material of higher thicknesses;
- the **Laser Piercing Monitor (LPM)**;
- the **Plasma Monitoring and Automatic Restart**.



The piece remains fixed during the work process: it is the machine that moves to reach the area to be machined.

This architecture gives the system a great flexibility, as it allows suiting the work area to the sheet metal to be processed:

- **"local" work area:** for sheets with moderate size (up to 3000x1500 mm) it is possible to use the high dynamic local X- and Y₁-axis;
- **"long distance" work area:** for long and very long sheets the X and Y₂-axis are used, adding the Y₁-axis when required for local cutting operations at high speed (e.g. holes and slots);

- **"split" work area:** the Y₂-axis stroke can be also divided into two or more work areas; in one area the sheets are loaded and unloaded while the machine is at work in the other one(s). This eliminates idle times for sheets feeding and avoids the need of additional complex and costly devices (such as pallet exchange systems).

MAXIMO is **quickly and easily installed**. There is in fact no need of a complete foundation: thanks to a peculiar patented solution for the main carriage guidance and isostatic support, only two plinths of the same length of the Y₂-axis stroke are needed.

MAXIMO obviously takes advantage of all PLATINO's unparalleled features, which make the machine highly

