

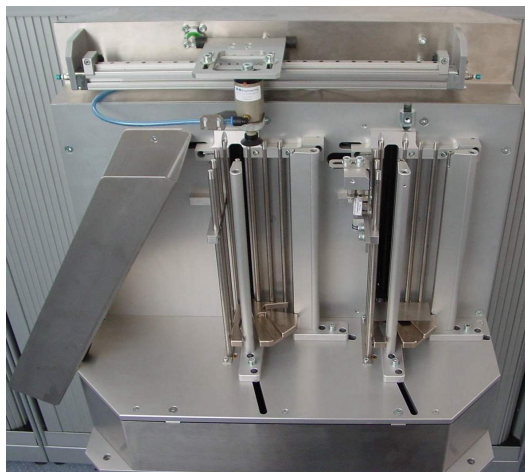
Product Data Sheet

PI-5524680 – Type Plate Module THS4



Technical Description:

The cab Laser type plate module THS4 provides to mark plates of steel, aluminum and plastics.



The system's handling is centralized in one separate unit and is therefore most suitable to be integrated into the cab laser safety housing LSG 100.

The handling provides to work off inflexible type plates. They must be with a tolerance, be plane and free of burr. The handling provides an automatically tracked in- and output magazine. While the input stack undertakes an upwards motion the output, i.e. the destacking magazine moves downwards.

The laser always marks the top level plate of the stack. After having been marked the plate is removed from stack by means of a vacuum gripper and forwarded to the output magazine by linear drive. Then, the stack is automatically moved up so that the level where the plates are marked remains the same height. Type plates with different thickness are automatically identified by the help of a sensor.

The magazine's side guides are adjusted by slotted holes and locked by cylinder head screws. 2 sides of the magazine remain fixed to maintain the angles' alignment. The device thus has a fixed zero point in relation to the marking field of the laser system. For shifting the magazines one allen key is required and for modifying a time of maximum 10 minutes is needed.

The software of the laser provides the logical control of the type plate marker. This software is included in standard delivery and contains appropriate routines. Signals are exchanged by a digital interface of the laser.

Technical Features:

Description:	Type Plate Module THS4
Article number:	5524680
For integration in:	Industrial Laser Safety Housing LSG100
Laser protection class:	1 (In combination with LSG100)
Min. height of work piece [mm]:	20
Max. height of work piece [mm]:	100
Min. width of work piece [mm]:	40
Max. width of work piece [mm]:	100
Min. thickness of work piece [mm]:	0,5
Tolerance in dimension [mm]:	0,1 - 0,3
Condition of type plate:	Plane and free of burr. No protective sheeting on the surface as well as any kind of preventives for surface protection influencing the cohesion characteristics of the parts are not allowed.
Max. capacity of magazines [mm]:	250
Digital / stepper controller:	Integrated
Digital signals:	<ul style="list-style-type: none">• Start marking (Output)• Start Handling (Input)• Express order (Input)
Error signals:	<ul style="list-style-type: none">• Input magazine empty (Output)• Output magazine full (Output)• Ready to operate (Output)
Air supply:	Provided with LSG 100
E-Stop:	Provided with LSG 100
Power supply:	85 – 240 V AC / 50/60 Hz
Power consumption [Watt]:	Max. 300
Dimension L x W x H [mm]:	475x600x450
Weight [kg]:	40