

IG LAS laser seam tracker



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Seam tracker system with 1 or 2 axis with monodirectional laser probe.

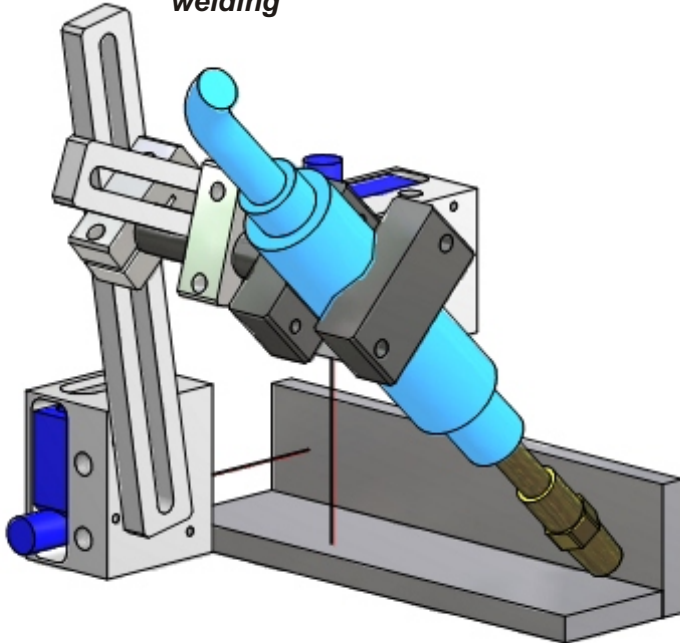
This system use a laser pointer to drive the torch on the welding joint in 1 or 2 axis



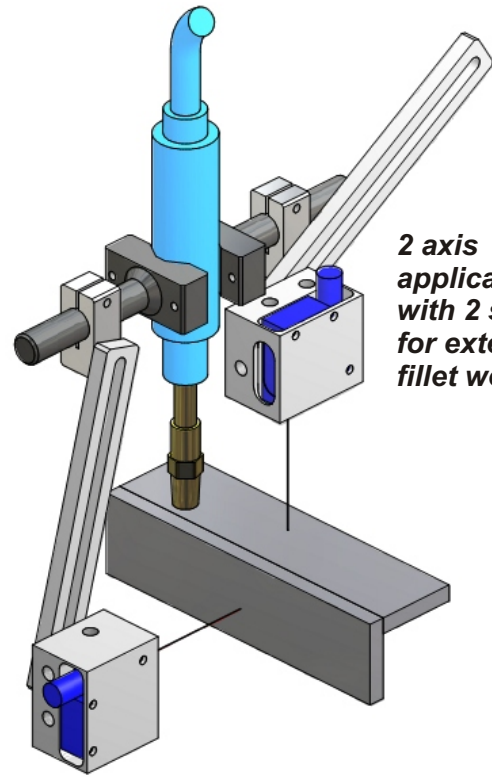
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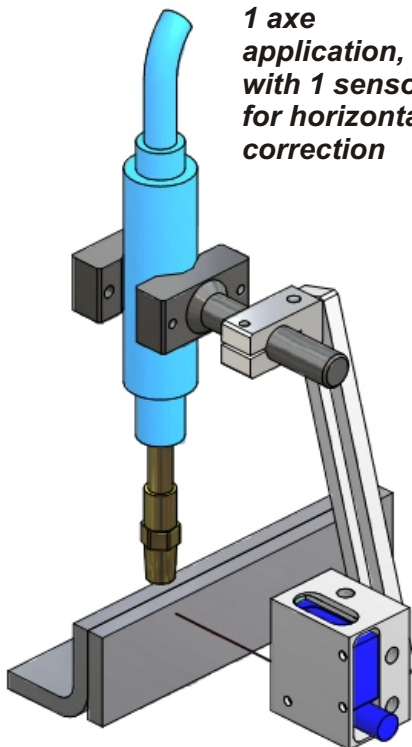
2 axis application, with 2 sensors for internal fillet welding



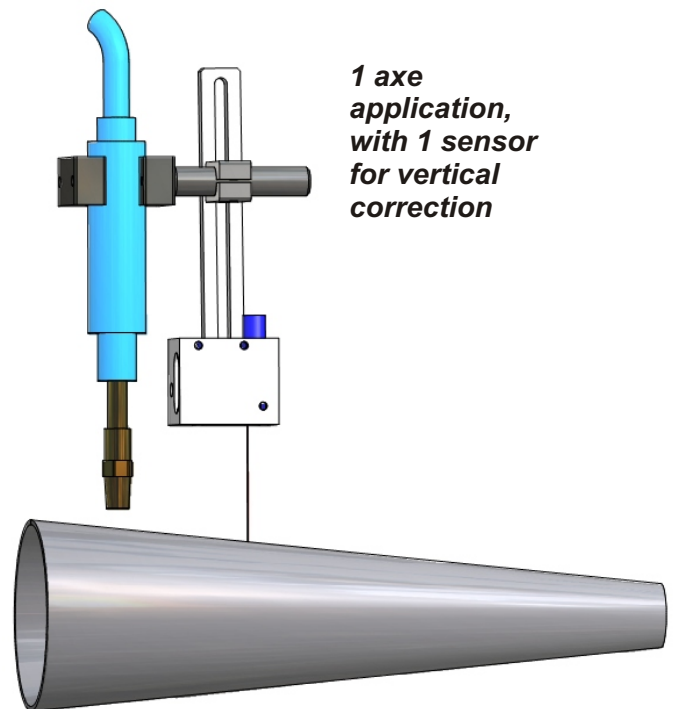
2 axis application, with 2 sensors for external fillet welding

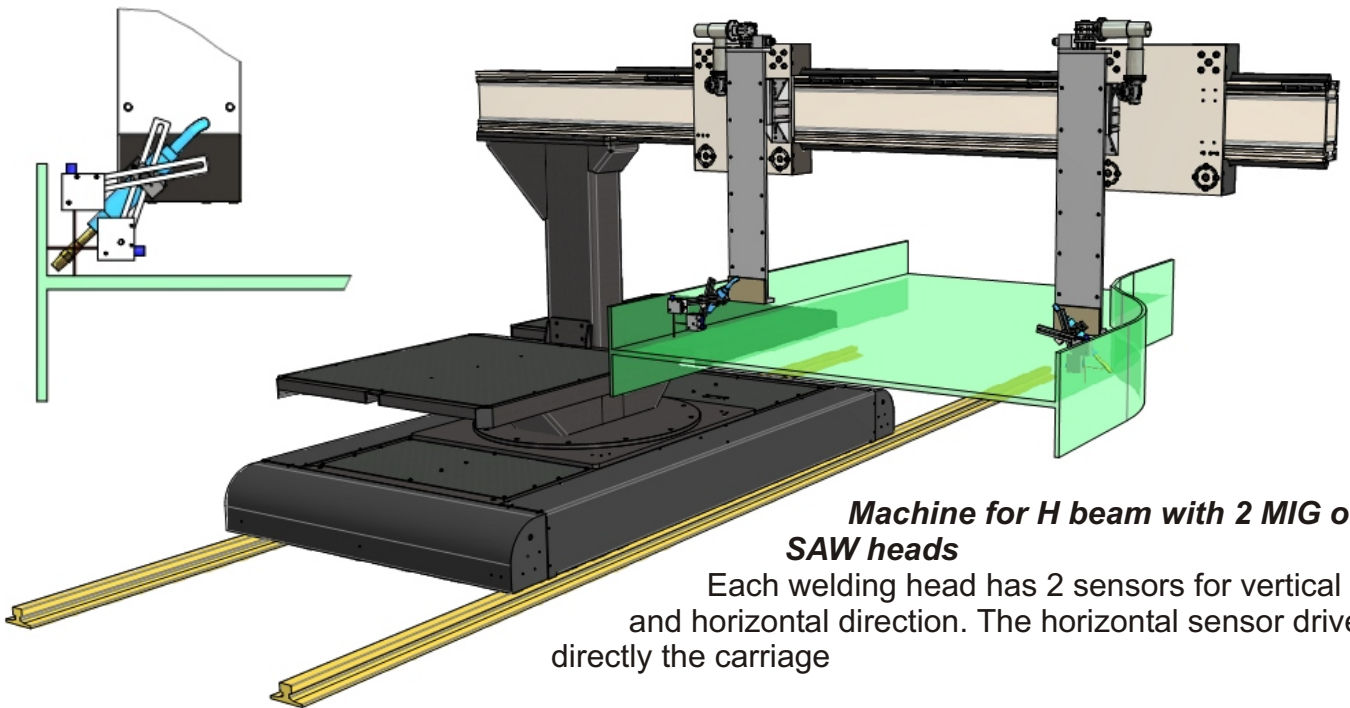


1 axe application, with 1 sensor for horizontal correction



1 axe application, with 1 sensor for vertical correction



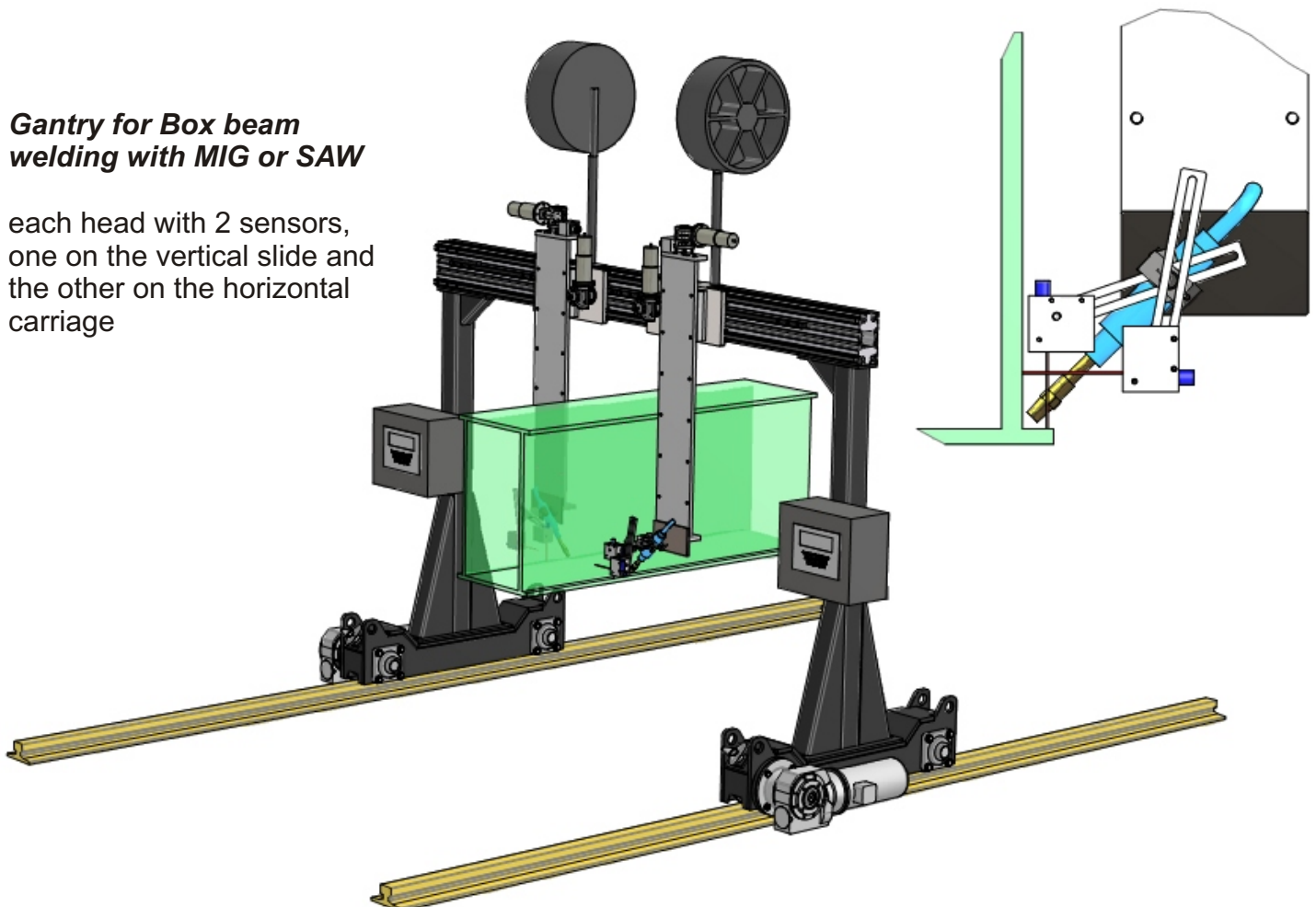


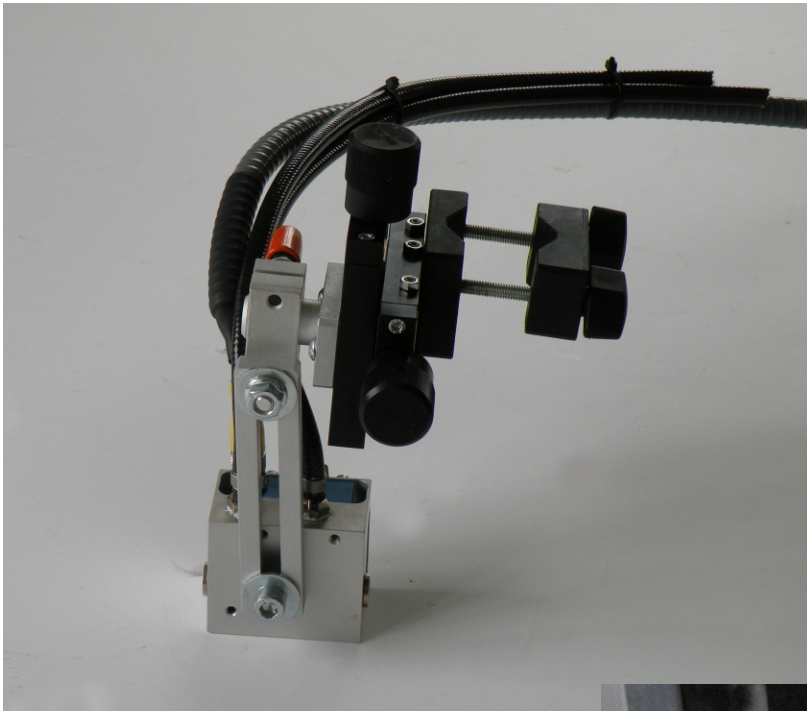
Machine for H beam with 2 MIG or SAW heads

Each welding head has 2 sensors for vertical and horizontal direction. The horizontal sensor drives directly the carriage

Gantry for Box beam welding with MIG or SAW

each head with 2 sensors, one on the vertical slide and the other on the horizontal carriage



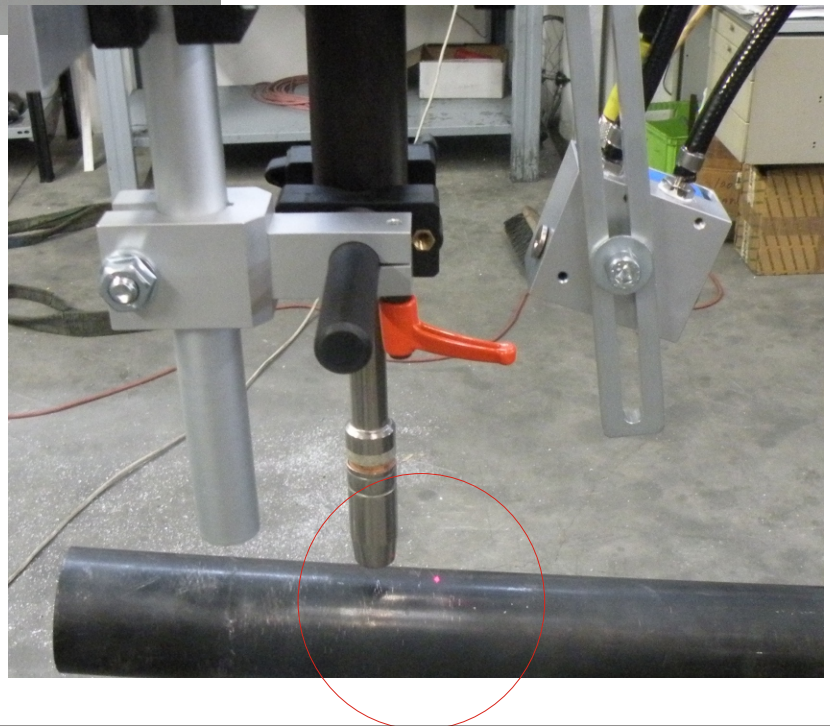
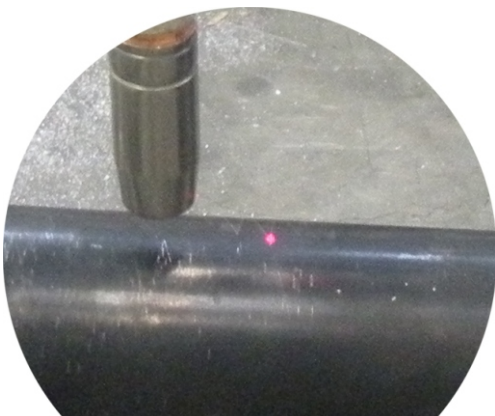


This laser sensor give to the control the measure of distance in 1 axe.
this control is proportional, so the movement of the slides is slow if the error is little or fast if the error is big

The range of measure is from 80 to 300 mm
the precision is 0,3 mm

the sensor is supplied with 1 cross microslide and adjustable support

The case is in aluminium with the cooling circuit, by air or water. The max temperature for this device is 50°. The water cooling system is not included in the machine



How to order

The IG LAS can be supplied in 1 or 2 axis versions.

Each machine is composed by:

- Box control
- remote control with 10 mt cable
- 1 or laser sensor with micro-slides and adjustable support
- 1 or 2 motorized slide
- cables of 10 mt to connect the box control with the slides and sensor, other lenght on demand

As you can see in the following 2 pages the customer can select the desired slide.

code exemple:

IG LAS HD 250/2 is a system with 2 cross slide model HD stroke 250 mm

IG LAS LT 80/1 V is a system with 1 cross slide model LT stroke 80 mm for the vertical (V) axe

G LAS LT 180/1 H is a system with 1 cross slide model LT stroke 180 mm for the Horizontal (H) axe

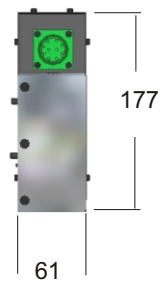
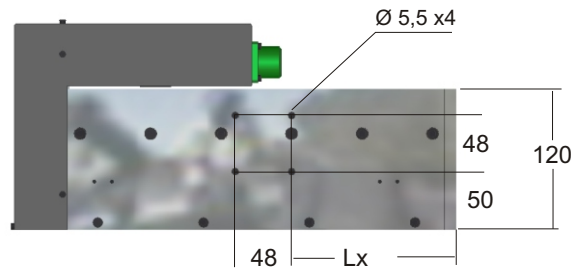
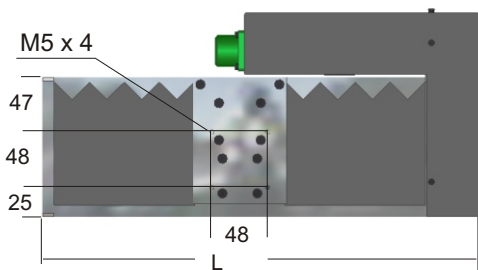
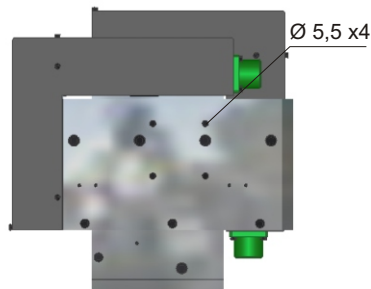
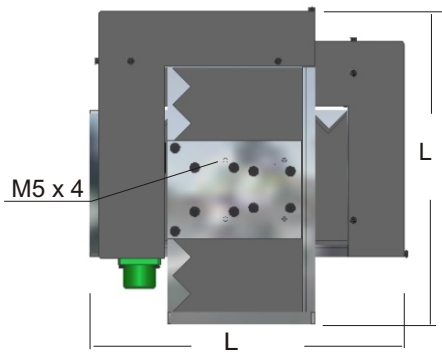
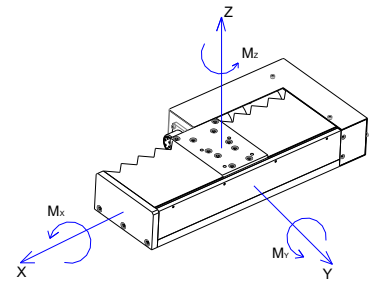
IG LAS SEAM TRACKER



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Slides model LT, max load 10 Kg out 100 mm

	80	180	250	300	400
L (mm)	256	376	476	536	696
Lx (mm)	80	140	196	226	306
P motor (W)	31	31	31	31	31
Vertical load (Kg)	10	10	10	10	10
Speed (mm/min)	2300	2300	2300	2300	2300
M X (KNm)	4	4	4	4	4
M Y (KNm)	3	3	3	3	3
M Z (KNm)	4	4	4	4	4



IG LAS SEAM TRACKER



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Slides model MD or HD, load 70 and 150 Kg out 400 mm

	100	100 HD	250	250 HD	400	400 HD	600	600 HD
<i>L (mm)</i>	479	479	659	659	879	879	1139	1139
<i>A (mm)</i>	330	360	330	360	330	360	330	360
<i>Lx (mm)</i>	110	110	75	75	160	160	140	140
<i>N fixing holes</i>	4	4	8	8	8	8	20	20
<i>P motor (W)</i>	200	350	200	350	200	350	200	350
<i>Vertical load (Kg)</i>	70	150	70	150	70	150	70	150
<i>Speed (mm/min)</i>	1500	1400	1500	1400	1500	1400	1500	1400
<i>M X (KNm)</i>	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
<i>M Y (KNm)</i>	2,6	2,6	2,6	2,6	2,6	2,6	2,6	2,6
<i>M Z (KNm)</i>	2,6	2,6	2,6	2,6	2,6	2,6	2,6	2,6

