

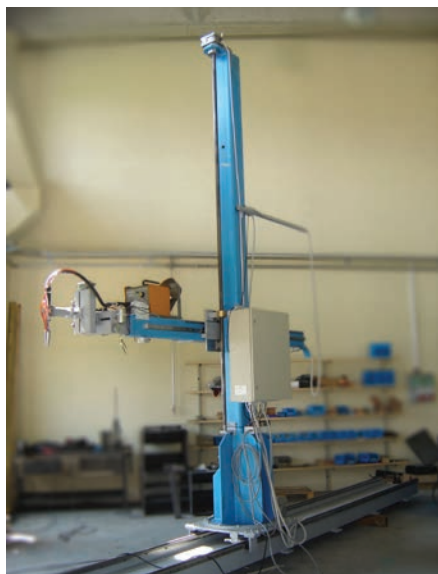


**KVS-L, KVS-T**

**AVP**

**COLUMN & BOOM**

## COLUMN & BOOM



**KVS-T (on rails)**



**KVS-T (on platform)**



**KVS-L & ON 5t**

### **DESCRIPTION:**

Column & Boom welding consoles are designed for welding large and heavy parts using various welding methods (TIG/GTAW, MIG/MAG/GMAW, PLASMA, SAW). They are **often used for welding multiple pass seams on thick pipes**, even above 10 mm in thickness. It is built ready for the installation of tracking systems, cameras and other equipment. It can be connected to rotary devices for simultaneous operation.

**The machine consists of three main parts:** the lower part, the column and the arm ("boom"). The lower part can move horizontally on a rail fixed to the ground (optional) or is fixed directly to the ground with a mounting plate. The horizontal movement can be motorized (adjustable speed), or manual. The vertical column, along with the cross support, manually rotates on its axis. The movement of the welding arm in two axes (Z and Y), carrying the torch is motorized and adjustable in speed.

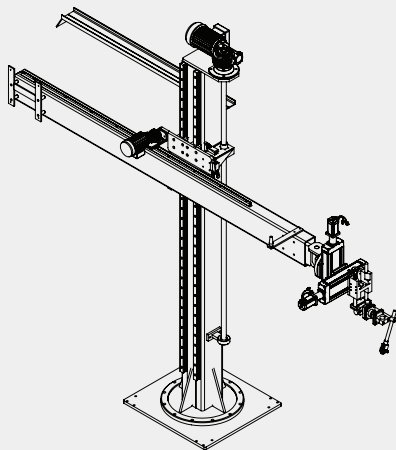
It's common for this machine to be used together with all kinds of positioners.

### **OPTIONS:**

- Vertical lift by chain for heavy duty use,
- multi-seam or tandem welding (multiple torches),
- ground rails / fixing plate,
- servo cross slides (2 axis actuators),
- roller bed synchronization,
- laser seam tracking,
- tactile (touch) seam tracking,
- mechanical tracking,
- welding cameras,
- wired or wireless remote control,
- AVC system,
- welding enable signal,
- segment welding, numerical programming (NC),
- touch display, standing command panel.

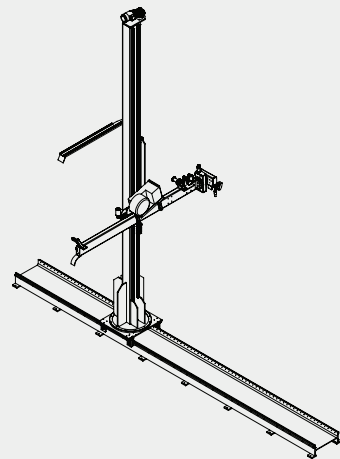
### **KVS-L**

The KVS-L type is a light duty edition of our Column & Boom machines. Ideal for workpiece diameter less than 3 meters. The vertical stroke for this type can be up to 3 m.

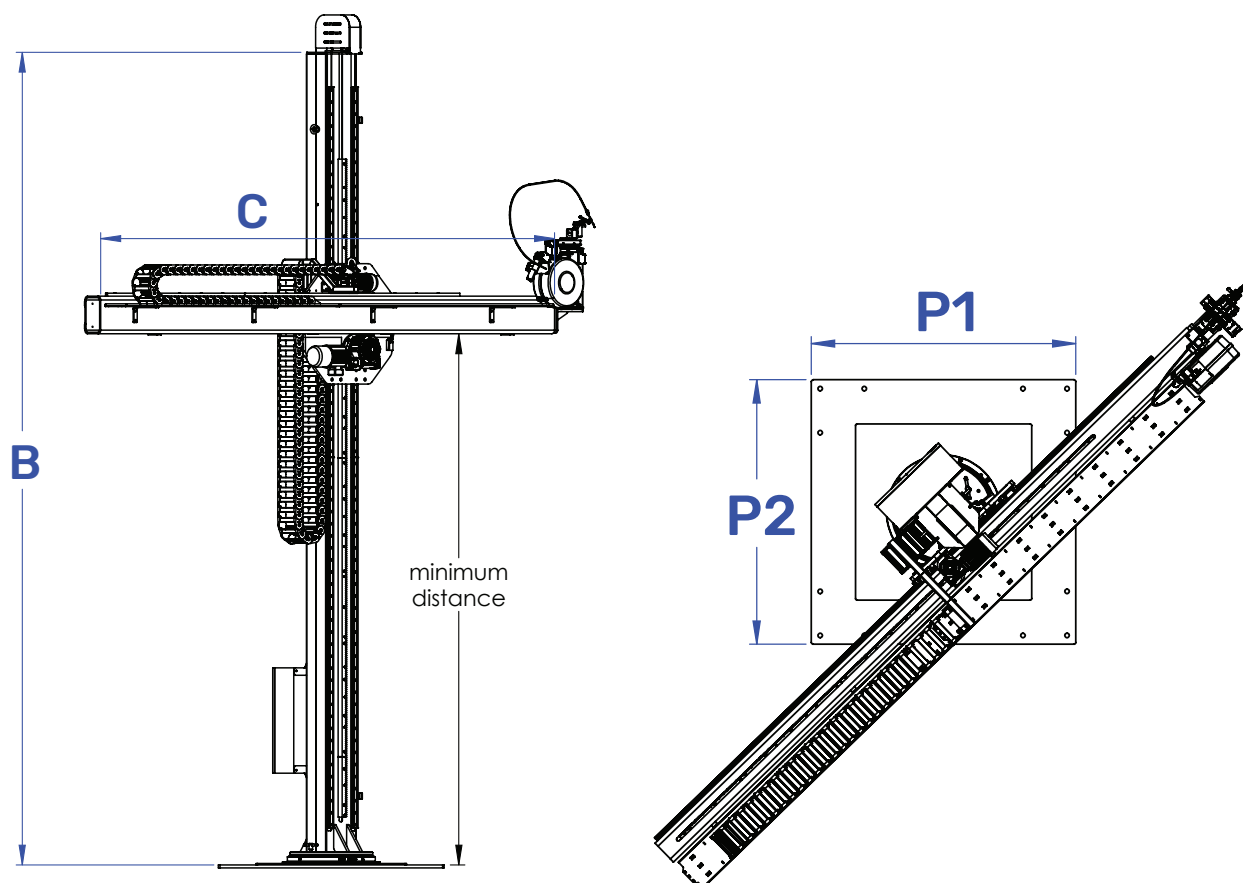


### **KVS-T**

The KVS-T is designed for heavy-duty loads. Its construction allows for large loads to be carried on the boom while still ensuring rigid movement. The vertical stroke up to 5 m is possible.



# COLUMN & BOOM



## KVS (dimensions)

		<b>KVS-L 1x1</b>	<b>KVS-L 2x2</b>	<b>KVS-L 3,5x2</b>
B	mm	1500	2600	4200
C		1400	2700	2700
Z axis stroke		1000	2000	3500
Y axis stroke		1000	2000	2000

		<b>KVS-T 2,5x2,5</b>	<b>KVS-T 3x3</b>	<b>KVS-T 4x4</b>	<b>KVS-T 5x5</b>
B	mm	3500	4200	5400	6400
C		3500	4000	5300	6500
Z axis stroke		2500	3000	4000	5000
Y axis stroke		2500	3000	4000	5000

\* P1, P2 or rail dimensions on request.

\*\* Axis speeds on request (induction motors/servo system)