

WAPS COLUMN & BOOM



Systems ranging from 3030 to 6060 in
various permutations and combinations



WAPS COLUMN & BOOM

ON A NEW FOOTING IN WELDING TECHNOLOGY

The welding system presented in this technical bulletin is your step into Automation. Automation in welding will lead you to dramatic gains in precision, quality, speed, productivity and economy. It will place you on par with industries in advance countries of the world.

In order to provide you the most suitable solution, WAPS Engineers will build systems, based on the data collected from your shopfloor. We draw upon the enormous information contained in our data bank, collated over five decades.

WAPS field experience enables it to source materials that are most reliable, ensuring quality at every stage of manufacture and installation. When you assign your welding automation project to WAPS, you have the unique opportunity to avail of advanced technology through its association with world leaders in welding.

STANDARD FEATURES

- Pedestal mounting
- Boom capacity 250 kgs.
- 360 Degree Manual rotation of the column around its axis by means of anti-friction taper roller bearings.
- Fixed speed AC motorized drive for vertical lift of the boom.
- Variable speed horizontal boom travel through AC Variable Frequency Drives.
- Electrical as well as mechanical limiting mechanism against overriding.
- Roller bearings with eccentric pin mounting for easy adjustment of guiding pressure.
- Input Power supply : 4154V A.C.,3ph,50Hz.

OPTIONALS

- Wide-based special purpose thrust bearings commonly referred to as slewing ring, for column swiveling..
- Motorised trolley based mechanical traveling of the manipulator on rails – Either fixed speed AC Motor or with Variable Speed Drive.
- Operator's chair on the boom.
- Walkway along the entire length of the boom
- Ladder on the column for easy of maintenance.
- Provision for mounting the welding power source on the column's Base.
- Motorised swiveling of column with AC motor.
- Boom capacity upto 500 Kgs on special request.
- Boom Vertical travel upto 12 meters on special request.

HIGHLIGHTS

- High rated contactors for AC motor.
- Robust and vibration-free construction.
- Boom drive is through self-locked, backlash free worm reducer.
- Accurately machined guides for both vertical and horizontal travel.

SALIENT FEATURES

- Variable Frequency Drive for AC motor for boom horizontal travel
- Fixed speed AC motor for boom lift.
- Vertical lift speed : 1200 mm/min.
- Horizontal speed of boom travel infinitely variable between 75 to 1500mm/min.
- Anti-fall mechanism in case of chain failure.

EXTRA FEATURES ON WELDING HEAD

- Twin wire feed drive, for SAXV welding
- CO2-MIG/MAG welding attachment
- Seam tracking/oscillation mechanism
- Mini flux recovery unit.
- Grinding/buffing head attachment.

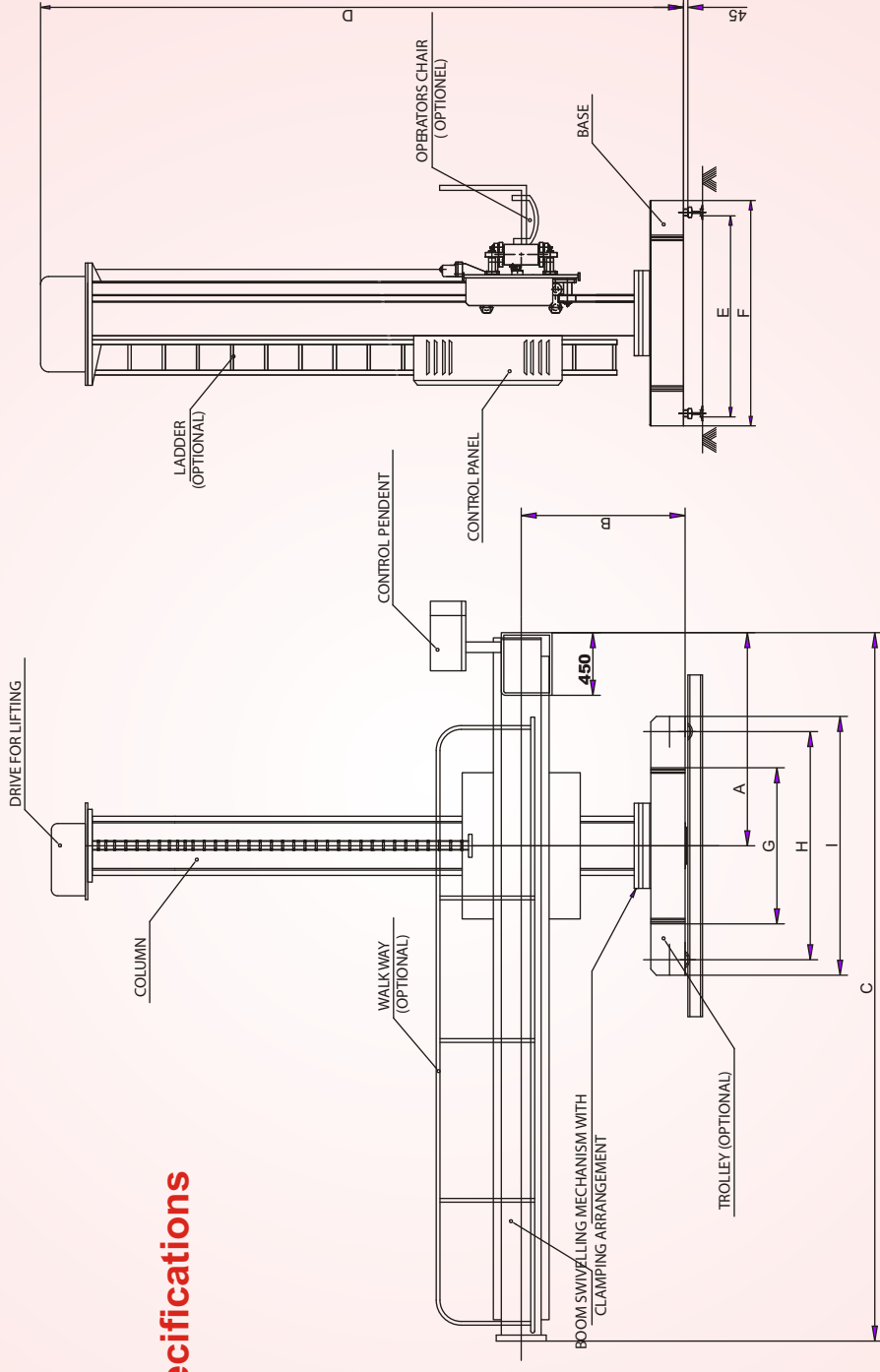


WELDERS TO THE NATION
ADOR WELDING LIMITED

(Formerly known as Advani Oerlikon Ltd.)
www.adorwelding.com

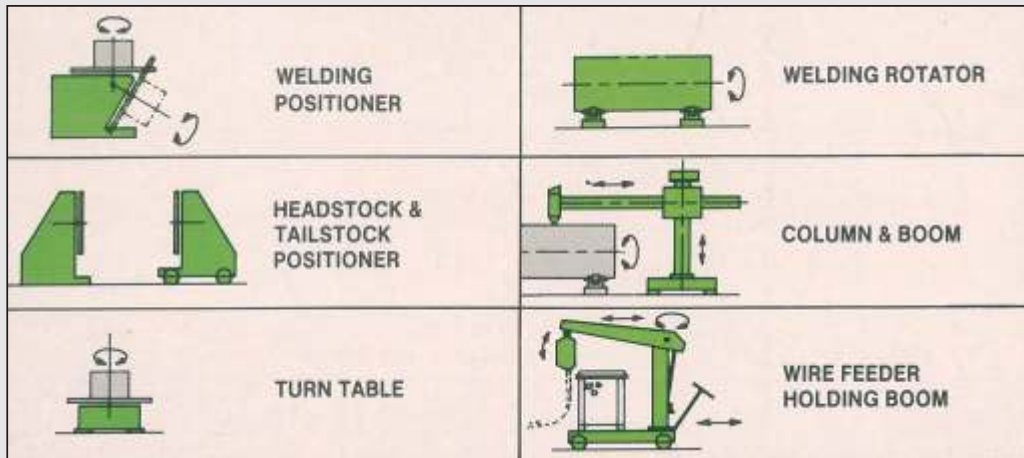


Technical Specifications



6060	6000	6000	800	6800	1200	7200	7800	8330	1676	1900	1750	2110	2500
6050	6000	5000	800	5800	1200	7200	6800	8330	1676	1900	1750	2110	2500
6040	5000	4000	675	4675	1200	7200	5400	8330	1676	1900	1750	2110	2500
5060	5000	6000	800	6800	1200	6200	7800	7330	1676	1900	1750	2110	2500
5050	5000	5000	800	5800	1200	6200	6800	7330	1676	1900	1750	2110	2500
5040	5000	4000	675	4675	1200	6200	5400	7330	1676	1900	1750	2110	2500
5030	5000	3000	675	3675	1200	6200	4400	7330	1676	1900	1750	2110	2500
4050	4000	5000	800	5000	1200	5200	6800	6330	1676	1900	1750	2110	2500
4040	4000	4000	675	4675	1200	5200	5400	6330	1676	1900	1750	2110	2500
4030	4000	3000	675	3675	1200	5200	4400	6330	1676	1900	1750	2110	2500
3040	3000	4000	675	4675	850	3850	5400	4800	1676	1900	1750	2110	2500
3030	3000	3000	675	3675	850	3850	4400	4800	1676	1900	1750	2110	2500
SIZE	MAX. VER. ARC TRAVEL	MAX. HORZ. ARC TRAVEL	A MIN.	A MAX.	B MIN.	B MAX.	C	D	E	F	G	H	II

Identify your needs with this ready reckoner of ador welding systems



Where WAPS Scores

- In-house manufacturing facility for welding machines, consumables, drive control panel, etc.
- Experience of having designed, developed and executed over 1000 various systems.
- Far-reaching network to ensure quick response to pre and post order sales and services.
- Widespread offices at your disposal to elaborate any type of welding turnkey project you may be interested in.
- Our clients, both big and small, stand testimony to our skills.
- Design using latest AUTO CAD Inventor 2010 including stress analysis leading to a well engineered system for long trouble free service.



In view of continuous development, we reserve the right to modify the design and/or dimensions without notice.



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