



MACHINE CONSTRUCTION

AGRICULTURE IRRIGATION EARTH MOVING

AP ROAD MAINTENANCE MACHINES



**attachment graders - grader planes
tractor planes**

Attachment Graders

The AP Attachment Graders are extremely well suited for precision grading of surfaces in for instance road construction and forestry. Thanks to the forward driving direction the driver has a good view on the work. A significant advantage is that the tractor/skid-steer/wheel loader drives on the already slid lane so in the first pass deviations in the result are minimal, the driver's comfort is optimum and it is possible to drive at high speed.

The grader blade can directly be put on the desired depth. In only a half pass a flat subsoil is ready so one can immediately start working or driving. When the grader blade is adjusted to slope it is possible to create a roof profile of for instance a sand or gravel road in one single pass, forwards and backwards.

The AP Attachment Grader is easy to couple to each self-propelled vehicle and is easy to operate by manual, laser or GPS control.

Standard equipment

- Changeable Hardox knives
- Height, side shift and blade rotation
- Black-white valves incl. joystick control
- 2 Stainless steel receiver masts
- Electric/hydraulic control

Options

- 100% Proportional control
- APMB-1 box (always proportional)
- Laser control and components
- AP slope sensor
- Topcon sonic tracker
- Machine receivers
- Extendable masts with scaling
- Safety valves for harsh conditions
- Hydraulic doors
- Fixed sides (curved)
- Hardox knife as blade protection incl. storage
- Sprayed in a (RAL) color of choice



Technical specifications Attachment Graders

Type	Twister I	Twister II	Twister III	Tornado	Hurricane
Wheel loader requirements	< 1,8	1,5 - 3,6	3,2 - 5,5	4,5 - 10	< 18
Blade width mm	1600/1800	200/2200/ 2400	2400/2600/ 2800	2200/2600/ 3000	3000/3300/ 3600
Blade height mm	400	450	450	580	580
Overall length mm*	2110	2500	2500	3700	4400
Overall height mm	1100	1300	1300	1700	2200
Wheel base mm	1100	1200	1200	1600	1600
Blade rotating angle	25° l/r	30° l/r	30° l/r	46° l/r	50° l/r
Height/thickness knife mm	100x16	100x16	100x16	150x15	150x15
Range side shift mm	+300/-300	+400/-400	+400/-400	+450/-450	+600/-600
Cutting angle blade °	-5/0/5/10	-10/-5/0/5/10	-10/-5/0/5/10	-10/30	-10/30
Elevation range mm	285	300	300	600	700
* exclusive of quick attachments					

Necessary

- Power supply 1 x 12V
- 1 Double functioning hydraulic free return valve
- Necessary hydraulic power : 30 l./min. - 160 bar (max. 60 l./min. - 200 bar)



Twister



Tornado



Hurricane

Attachment Graders

About AP

In our modern building the machines are built from the beginning to the end. We consider quality of paramount importance. We have experienced employees, two fully automated welding robots, an automated warehouse, advanced sandblasting and spraying installations and a healthy amount of knowledge and enthusiasm.

Since 1979 years AP has specialised in the development and construction of **agricultural machines**, **irrigation machines** and **earth moving machines**. Our range of products is very diverse; through years of experience and intensive contact with dealers and users we continuously attempt to improve the machines and to meet the wishes of our customers.

Last but not least we have an excellent development department where customer specific products are designed and constructed.



MACHINE CONSTRUCTION
AGRICULTURE IRRIGATION EARTH MOVING

AP Machinebouw B.V.
Ambachtstraat 21
8313 AV RUTTEN NETHERLANDS
T 0031 - 527 618 246
info@apmb.nl
www.apmb.nl



Dream machine