

RIYANG

ARMOR 355i



Riyang ARMOR 355i is a high-performance fusion welding machine with trailer mobility, designed to excel on construction sites. It boasts a welding range from 110mm to 355mm or 4" to 14", adhering to ISO21307 and ASTM F2620 high-force standard. With a fully automated system featuring SIEMENS PLC technology, ARMOR 355i ensures precision and reliability. Crafted from premium aluminum components, this machine guarantees strength and accuracy for all your welding needs.

FEATURES

- ☒ The dual-axis structural frame ensures strength and even distribution of welding force

☒ On-board heating plate with protection frame and insulated shield
- ☒ On-board high capacity trimmer driven by hydraulic power

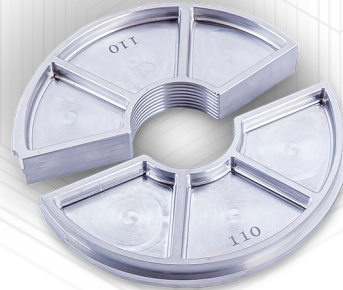
☒ Removable machine chassis for in-ditch use
- ☒ Dragging bar designed to weld between the 3rd and 4th clamp

☒ Removable trimmer for welding short spigot
- ☒ Single size insert with quick install/release system

☒ Strong jaws and inserts keep pipe from slipping during fusion
- ☒ Hydraulic pipe lift used to loading and unloading pipe

☒ Data logger (PEWELDBANK) is compatible (manual version)
- ☒ Removable control panel with data-logging, memory up to 30000 welding reports; USB port for welding data download / firmware upgrade

☒ Easy welding procedure achieved by operator just pressing the button



PARAMETER

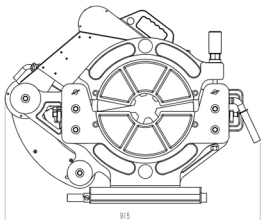
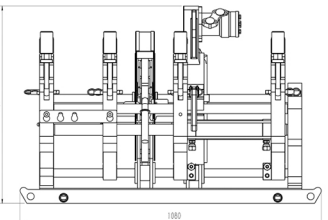
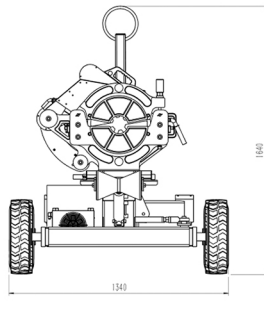
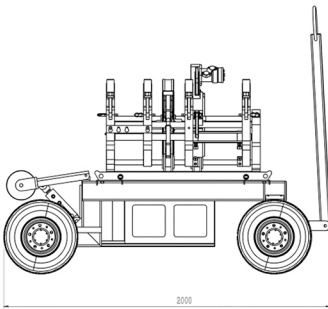
MODELS	
902306355, ARMOR 355i	Automatic, High Force, 220/380V, 50/60Hz, 3 Phase
902307355, ARMOR 355	Manual, High Force, 220/380V, 50/60Hz, 3 Phase

CAPACITY	
Welding Range	110mm-355mm, 4" IPS - 14" IPS
Inserts Type	Single insert

POWER	
Heater	4 kW
Trimmer	Hydraulic
Electric Motor	4 kW

HYDRAULIC	
Sytem Pressure	110 Bar (1595 PSI) Max.
Hydraulic Reservoir Capacity	23 Liters (6 Gallons)

CHASSIS	
Frame	Welded steel tube construction
Front Axle	Articulating
Tires	High-flotation inflatable tires
Transportation	Pulled via towing ring
Machine Carriage	Removable



WEIGHT	
Machine	600 Kg (1320 lbs.), excluding inserts
Shipping	750 Kg (1650 lbs.), excluding inserts

DIMENSION	
Machine	2000mm x 1340mm x 1640mm 79"x 53"x 65"
Machine Carriage	1080mm x 915mm x 707mm 43"x 36" x 28"
Shipping	2230mm x 1520mm x 1640mm 88" x 60" x 65"

OPTIONAL CONFIGURATION	
Inserts	
Stub End Device	
Mobile Support Roller	
Data Logger	Compatible with manual version

RIYANG

ARMOR 630i/24i



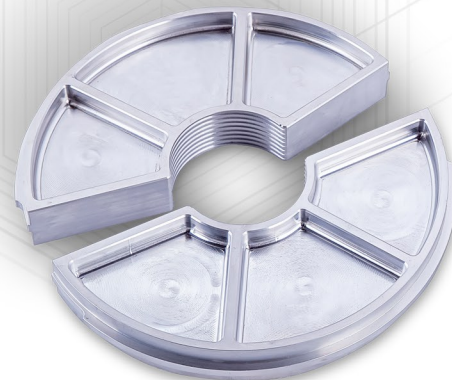
Riyang ARMOR 630i/24i is a high-performance fusion welding machine with trailer mobility, designed to excel on construction sites. It boasts a welding range from 200mm to 630mm or 8" to 24"IPS, adhering to ISO21307 and ASTM F2620 high-force standard. With a fully automated system featuring SIEMENS PLC technology, ARMOR 630i/24i ensures precision and reliability. Crafted from premium aluminum components, this machine guarantees strength and accuracy for all your welding needs.

FEATURES

- | | |
|--|---|
| <ul style="list-style-type: none"> ✓ The dual-axis structural frame ensures strength and even distribution of welding force | <ul style="list-style-type: none"> ✓ Hydraulic pivoting heating plate with protection frame and insulated shield |
| <ul style="list-style-type: none"> ✓ Hydraulic pivoting high capacity trimmer driven by electric power | <ul style="list-style-type: none"> ✓ Removable machine chassis for in-ditch use |
| <ul style="list-style-type: none"> ✓ Removable trimmer for welding short spigot | <ul style="list-style-type: none"> ✓ ISO insert with quick install/release system |
| <ul style="list-style-type: none"> ✓ Strong jaws and inserts keep pipe from slipping during fusion | <ul style="list-style-type: none"> ✓ Hydraulic pipe lift on both sides aimed in loading and unloading pipe |
| <ul style="list-style-type: none"> ✓ Hydraulic braking for stability | <ul style="list-style-type: none"> ✓ Hydraulic clamping |
| <ul style="list-style-type: none"> ✓ Data logger (PEWELDBANK) is compatible (manual version) | <ul style="list-style-type: none"> ✓ Easy welding procedure achieved by operator just pressing the button |
| <ul style="list-style-type: none"> ✓ Removable control panel with data-logging, memory up to 30000 welding reports; USB port for welding data download / firmware upgrade | |



RIYANG™
INSPIRED BY FUSION WELDING



PARAMETER

MODELS

902306630, ARMOR 630i	Automatic, High Force,
902306024, ARMOR 24i	220/380V, 50/60Hz, 3 Phase
902307630, ARMOR 630	Manual, High Force,
902307024, ARMOR 24	220/380V, 50/60Hz, 3 Phase

CAPACITY

Welding Range	200mm-630mm, 8" IPS - 24" IPS
Inserts Type	ISO aluminum inserts

POWER

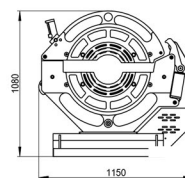
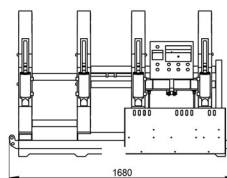
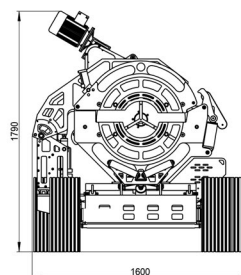
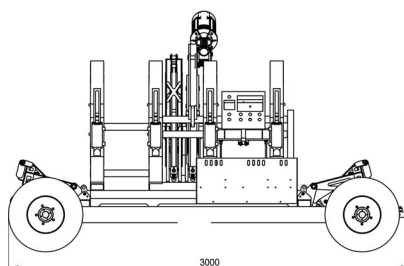
Heater	10 kW
Trimmer	1.5 kW
Electric Motor	3 kW

HYDRAULIC

Sytem Pressure	180 Bar (2610 PSI) Max
Hydraulic Reservoir Capacity	95 Liters (25 Gallons)

CHASSIS

Frame	Welded steel tube construction
Front Axle	Linkage
Tires	High-flotation inflatable tires
Transportation	Pulled via towing ring
Machine Carriage	Removable



WEIGHT

Machine	1750 Kg (3850 lbs.), excluding inserts
Shipping	2080 Kg (4576 lbs.), including inserts

DIMENSION

Machine	3000mm x 1625mm x 1790mm 118" x 64" x 70"
Machine Carriage	1680mm x 1150mm x 1080mm 66" x 45" x 42"
Shipping	3000mm x 1625mm x 1790mm 118" x 64" x 70"

OPTIONAL CONFIGURATION

Inserts	
Stub End Device	
Mobile Support Roller	
Data Logger	Compatible with manual version



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ARMOR 1200i/48i

Riyang ARMOR 1200i/48i is a high-performance fusion welding machine with trailer mobility, designed to excel on construction sites. It boasts a welding range from 630mm to 1200mm or 24" to 48", adhering to ISO21307 and ASTM F2620 high-force standard. With a fully automated system featuring SIEMENS PLC technology, ARMOR 1200i/48i ensures precision and reliability. This machine guarantees strength and accuracy for all your high pressure welding needs.

FEATURES

- | | |
|--|--|
| <input checked="" type="checkbox"/> The frame structure with a guide rail design enhances strength and even distribution of welding force | <input checked="" type="checkbox"/> Hydraulic pivoting heating plate with protection frame and insulated shield. Heating element is changeable |
| <input checked="" type="checkbox"/> Hydraulic pivoting high capacity trimmer driven by electric motor | <input checked="" type="checkbox"/> Removable machine chassis for in-ditch use |
| <input checked="" type="checkbox"/> Removable 4th jaw for enhanced convenience in fusing prefabricated fittings onto the pipe | <input checked="" type="checkbox"/> Strong jaws and inserts keep pipe from slipping during fusion |
| <input checked="" type="checkbox"/> Hydraulic pipe lift on both sides aimed in loading and unloading pipe | <input checked="" type="checkbox"/> Rugged outriggers for stability |
| <input checked="" type="checkbox"/> Hydraulic clamping | <input checked="" type="checkbox"/> Data logger (PEWELDBANK) is compatible (manual version) |
| <input checked="" type="checkbox"/> Removable control panel with data-logging, memory up to 30000 welding reports; USB port for welding data download / firmware upgrade | <input checked="" type="checkbox"/> Easy welding procedure achieved by operator just pressing the button |



RYANG™
INSPIRED BY FUSION WELDING



PARAMETER

MODELS

902306120, ARMOR 1200i	Automatic, High Force,
902306048, ARMOR 48i	220/380V, 50/60Hz, 3 Phase
902307120, ARMOR 1200	Manual, High Force,
902307048, ARMOR 48	220/380V, 50/60Hz, 3 Phase

CAPACITY

Welding Range	630mm-1200mm, 24" IPS - 48" IPS
Inserts Type	Multi aluminum inserts

POWER

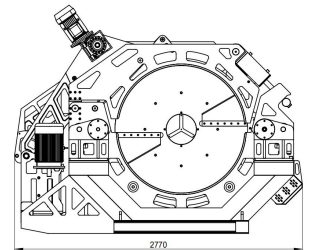
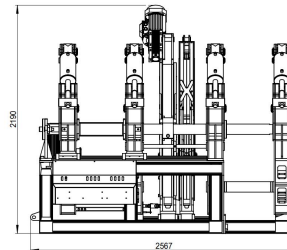
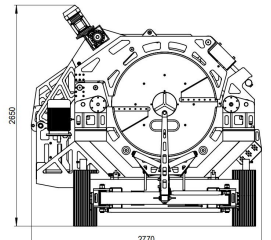
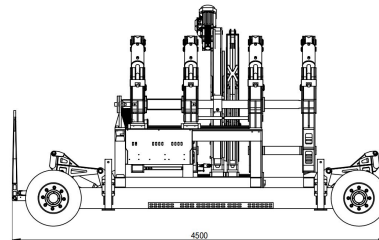
Heater	24 kW
Trimmer	4 kW
Hydraulic Motor	11 kW

HYDRAULIC

Sytem Pressure	180 Bar (2610 PSI) Max.
Hydraulic Reservoir Capacity	95 Liters (25 Gallons)

CHASSIS

Frame	Welded steel tube construction
Front Axle	Articulating
Tires	High-flotation inflatable tires
Transportation	Pulled via towing ring
Machine Carriage	Removable



WEIGHT

Machine	9350 Kg (20570 lbs.), including inserts
Shipping	9350 Kg (20570 lbs.), including inserts

DIMENSION

Machine	4500mm x 2770mm x 2650mm 177" x 109" x 104"
Machine Carriage	2567mm x 2770mm x 2190mm 101" x 109" x 86"
Shipping	4500mm x 2770mm x 2650mm 177" x 109" x 104"

OPTIONAL CONFIGURATION

Inserts	
Stub End Device	
Mobile Support Roller	
Data Logger	Compatible with manual version