



**RENTECA**  
— expert equipment solutions —

**PRODUCT CATALOGUE**

• rent • sales • service •

• **WELDERS** • **GENERATORS** • **SPECIALISED** •

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# **ENGINE DRIVEN WELDERS**

# ENGINE DRIVEN WELDERS

## Lincoln Air Vantage 500

### Top Features

- When you need it all, consider the rugged AirVantage 500 for railroad, mining, maintenance, repair and heavy duty construction.
- Select one of five process modes, including CC-stick, downhill pipe (for stick), DC Touch Start TIG, CV-wire or new arc gouging mode which maximizes output with up to 3/8 in. (9.5 mm) carbon rods.
- VMAC® brand rotary screw air compressor rated at 60 CFM, 100 PSI, 100% duty cycle, delivers abundant air for arc gouging with up to 3/8 in. (9.5 mm) carbons, plasma cutting and air tools such as an impact gun.

### Specifications

RATED OUTPUT	500A 40V @ 100%, 550A 36V @ 60%
OUTPUT RANGE	30-575 Amps
GENERATOR OUTPUT	20KW 2 x 240V, 15A 60HZ
TYPE OF ENGINE	Cummins B3.3
HP AND SPEED	56HP @ 1800 RPM 4CYL
WEIGHT	880KG W
DIMENSIONS (H X W X D)	1067mm x 831mm x 1603mm
NOISE LEVEL	80 dBA @ 7m



### Processes

Stick, TIG, MIG, Flux-Cored, Gouging

## Lincoln Ranger 305D

### Top Features

- Excellent DC multi-process welding for general purpose stick, downhill pipe (stick), TIG, cored-wire, MIG and arc gouging.
- Lincoln Electric Chopper Technology® provides easy starts, a smooth arc, low spatter and excellent bead appearance.
- A Portable Powerhouse - delivers 7,200 continuous watts of 240V AC generator power. (2 x 240V 15A IP66 Receptacles)
- Arc force control - provides a soft or more forceful digging arc a Built-in "hot" start for easier starts and restrykes.
- Touch-Start® DC TIG Lift tungsten to start the arc.

### Specifications

RATED OUTPUT	305A/29V/100%
OUTPUT RANGE	20-305A 40-300A PIPE 20-250A DC TIG 14-29V CV
GENERATOR OUTPUT	7.2KW 2 x 240V, 15A 60HZ
TYPE OF ENGINE	KUBOTA D722 (DIESEL)
HP AND SPEED	18.8HP @ 3600RPM 3CYL
WEIGHT	362KG W
DIMENSIONS (H X W X D)	909mm x 546mm x 1327mm
NOISE LEVEL	80.6 dBA Sound Level at 7M



### Processes

Stick, TIG, MIG, Flux-Cored

# ENGINE DRIVEN WELDERS

## Miller 800X Dual

### Top Features

- More power, 800 Amps of weld power and 27,000 watts of peak generator power.
- Multi-Arc Welding, One dependable engine — two independent arcs with up to 400 Amps each. Or plug in an additional inverter for a true multi operator work platform! Example: Two additional XMT multi-process machines equals 4 operators, up to 200 Amps each. Premium quality arcs allow operators to work independently with no arc interaction. Multi operator welding has never been easier or more versatile.
- Arc Control, beneficial when welding with stick and solid wires for easier fine tuning of tough-to-weld materials and out-of-position applications.

### Specifications

RATED OUTPUT	750A 40V @ 100%, 800A 38V @ 100%
OUTPUT RANGE	40-800 Amps
GENERATOR OUTPUT	5.5KVA 2x 240V 15A, 27KW 1 x 415V 32A 60HZ
TYPE OF ENGINE	Deutz TD2011L04w
HP AND SPEED	63.4HP @ 1800 RPM 4CYL
WEIGHT	1000KG W
DIMENSIONS (H X W X D)	1168mm x 724mm x 1765mm
NOISE LEVEL	84 dBA @ 1m



### Processes

Submerged Arc, Stud Welding, Stick, RMD, MIG, Pulsed MIG, DC TIG, Air Carbon Arc

## Lincoln Vantage 580

### Top Features

- The original compact 500 amp machine. Suitable for many pickup and service trucks.
- Standard stainless steel roof, side panels and engine-access door deliver added protection and durability.
- Able to power up to three inverter power sources to give you up to four stick electrode welding arcs for higher productivity.
- Select one of five Process Modes, including CC-Stick, CC-Pipe, CC-Gouging, Touch-Start™ TIG or CV Wire, and then dial in the desired output.
- Simple controls and Chopper Technology® deliver the low maintenance, long service life, easy operation and great arc performance every owner demands in these environments.

### Specifications

RATED OUTPUT	500A 40V @ 100%, 525A 39V @ 60%
OUTPUT RANGE	30-580 Amps 15 - 200 Amps Tig
GENERATOR OUTPUT	20KW 2 x 240V 15A, 1 x 415V 32A 60HZ
TYPE OF ENGINE	PERKINS 404D-22T Turbo
HP AND SPEED	43HP @ 1850 RPM 4CYL
WEIGHT	662KG W
DIMENSIONS (H X W X D)	1344mm x 757mm x 2268mm
NOISE LEVEL	76 dBA @ 7m



### Processes

Stick, TIG, MIG, Flux-cored, Gouging

# ENGINE DRIVEN WELDERS

## Lincoln Vantage 500

### Top Features

- One of the most compact 500 amp machines available. Suitable for many pickup and service trucks.
- Standard stainless steel roof, side panels and engine-access door deliver added protection and durability.
- Select one of five process modes, including CC-stick, downhill pipe (for stick), DC Touch Start TIG®, CV-wire or new arc gouging mode which maximizes output with up to 3/8 in. (9.5 mm) carbon rods.
- 22 kW peak (20 kW continuous) 3-phase 240V AC generator power. Will power industrial equipment such as a plasma cutter, pump or inverter welder.
- 13 kW peak (12 kW continuous) 1-phase AC generator power for common construction tools.

### Specifications

RATED OUTPUT	400A / 36V @ 100% 450A / 38V @ 60%
OUTPUT RANGE	30-500A
GENERATOR OUTPUT	14.5KW 2 x 240V / 15A 1-PH 415V / 20A 3-PH 50Hz
TYPE OF ENGINE	PERKINS 404D-22T Turbo
HP AND SPEED	27.8kw @ 1,500 4CYL
WEIGHT	662KG W
DIMENSIONS (H X W X D)	913mm x 687mm x 1,590mm
NOISE LEVEL	71dBA dBA Sound Level at 7m



### Processes

Stick, TIG, MIG, Flux-Cored, Gouging

## Lincoln Vantage 400

### Top Features

- The quiet, compact Vantage® 400 is an ideal choice for construction teams, pipe rig owners and rental fleet managers Utilising a smooth running 4 cylinder Perkins® diesel engine.
- Standard stainless-steel roof, side panels and engine-access door deliver added protection and durability.
- Select one of five Process Modes, including CC-Stick (up to 6mm.), Downhill Pipe (for stick), DC Touch Start TIG®, CV-Wire (up to 2.4mm.) or Arc Gouging mode which maximizes output with up to 8mm carbon rods.
- 13.2 kW continuous 3-Phase 415/240V AC generator power. Will power industrial equipment such as a plasma cutter, pump or inverter welder.
- 1 x 415V 20A and 2 x 240V 15A receptacles for generator power for common construction tools.

### Specifications

RATED OUTPUT	400A/30V/60% 350A/34V/100%
OUTPUT RANGE	30-400A DC 40-300A Pipe 20-250A DC TIG 14-36 CV
GENERATOR OUTPUT	7.2KW 1-PH: 13.2KW 3-PH 1x240V 15A, 50HZ
TYPE OF ENGINE	PERKINS 404D-22 Diesel
HP AND SPEED	28HP @ 1500 RPM 4CYL
WEIGHT	617KG W
DIMENSIONS (H X W X D)	1344mm x 757mm x 2268mm
NOISE LEVEL	71 dBA Sound Level at 7m



### Processes

Stick, TIG, MIG, Flux-Cored, Gouging



# **MULTI-PROCESS WELDERS**



# MULTI-PROCESS WELDERS

## Lincoln Flextec 350x

### Top Features

- CrossLinc with True Voltage Technology (TVT) – Improve all aspects of your operation with CrossLinc and TVT
- Cross Linc reduces welding cables at the job site
- Built for harsh conditions with encapsulated boards
- Available in 4 or 6 pack banks configured with switchboard and diesel generator options
- Desert Duty Rated to 55 degrees
- Arc Link Enabled for pulse mig welding

### Specifications

RATED OUTPUT	350A/34V/60%
OUTPUT RANGE	5 – 425 amps Max OCV 80V DC
INPUT POWER	380 – 415 V 33 AMPS @ 380V PRIMARY VOLTAGE 300 AMPS 36V SECONDARY
DIMENSIONS (H X W X D)	432 x 332 x 584)
WEIGHT	38.1 KG



### Processes

Stick (SMAW) MIG (GMAW) Flux-Cored (FCAW) DC TIG (GTAW), GMAW-P (Pulsed MIG).  
Optimized stick welding for both cellulosic and low hydrogen electrodes

## Lincoln Flextec 500X

### Top Features

- CrossLinc with True Voltage Technology (TVT) – Improve all aspects of your operation with CrossLinc and TVT
- Cross Linc reduces welding cables at the job site
- Built for harsh conditions with encapsulated boards
- Available in 4 or 6 pack banks configured with switchboard and diesel generator options
- Desert Duty Rated to 55 degrees
- Arc Link Enabled for pulse mig welding

### Specifications

RATED OUTPUT	500A/40V/60% 450A/38V/100%
OUTPUT RANGE	5-500A
INPUT POWER	3 PHASE 380/460/575//50/60hz. 39/31/31 33/27/27 amps
DIMENSIONS (H X W X D)	477 x 356 x 699
WEIGHT	62 KG



### Processes

Stick (SMAW) MIG (GMAW) Flux-Cored (FCAW) DC TIG (GTAW), GMAW-P (Pulsed MIG).  
Optimized stick welding for both cellulosic and low hydrogen electrodes

# MULTI-PROCESS WELDERS

## Lincoln Flextec 650X

### Top Features

- CrossLinc with True Voltage Technology (TVT) – Improve all aspects of your operation with CrossLinc and TVT
- Cross Linc reduces welding cables at the job site
- Built for harsh conditions with encapsulated boards
- Available in 4 or 6 pack banks configured with switchboard and diesel generator options
- Desert Duty Rated to 55 degrees
- Arc Link Enabled for pulse mig welding
- Compatible with LT-7 Tractor for submerged arc welding

### Specifications

RATED OUTPUT	750A/44V/60%. 650A/44V/100%
OUTPUT RANGE	10-815A
INPUT POWER	380/460/575 volts/3 phase/50/60hz. 61/50/40 amps @ rated output
DIMENSIONS (H X W X D)	554 x 410 x 745
WEIGHT	74.8 KG



### Processes

Stick (SMAW) MIG (GMAW) Flux-Cored (FCAW) DC TIG (GTAW), GMAW-P (Pulsed MIG).  
Optimized stick welding for both cellulosic and low hydrogen electrodes. Submerged arc welding

## Lincoln Flextec 500x 6 PACK WELDER BANK

### Top Features

- CrossLinc with True Voltage Technology (TVT) – Improve all aspects of your operation with CrossLinc and TVT
- Cross Linc reduces welding cables at the job site
- Built for harsh conditions with encapsulated boards
- Available in 4 or 6 pack banks configured with switchboard and diesel generator options
- Available in combination packs (350x, 500x or 650x)
- Desert Duty Rated to 55 degrees
- Arc Link Enabled for pulse mig welding

### Specifications

RATED OUTPUT	500A/40V/60% 450A/38V/100%
OUTPUT RANGE	5-500A
INPUT POWER	3 PHASE 380/460/575//50/60hz. 39/31/31 33/27/27 amps
DIMENSIONS (H X W X D)	477 x 356 x 699
WEIGHT	62 KG



### Processes

Stick (SMAW) MIG (GMAW) Flux-Cored (FCAW) DC TIG (GTAW), GMAW-P (Pulsed MIG).  
Optimized stick welding for both cellulosic and low hydrogen electrodes





# **WIRE FEEDERS**

# WIRE FEEDERS

## Lincoln LN-8

### Top Features

- LN-8 models feed up to 3/32" (2.4mm) solid and .120" (3.0mm) flux-cored wires, from 50-600 inches per minute (1.3-12.7 m/min) wire feed speed.
- Unique drive roll design provides positive feeding and quick reloading by simply inserting the wire into the incoming guide tube. The drive rolls and guide tubes are designed for long life and precise wire feeding.
- Completely enclosed case protects the heavy-duty wire drive mechanism from damage but allows easy access to drive rolls.
- Control circuit features "cold electrode" when the gun trigger is released for an added measure of safety. Power source must be equipped with a contactor.
- Dynamic braking system stops wire feed motor quickly to minimize crater sticking problems.

### Specifications

RATED OUTPUT	600A @ 60%
INPUT POWER	115 VAC 50/60 Hz
FLOW METER	No
WIRE SIZE RANGE	Solid 0.8 - 2.4mm, Cored 1.2 - 3.0mm, Aluminium 0.9-1.6mm
WIRE FEED SPEED	1.3 - 15.2m/min
WEIGHT	16.2 kg
DIMENSIONS (H X W X D)	277mm x 248mm x 244mm
POWER CONNECTION	Lug



### Processes

MIG, Flux-Cored

## Lincoln LN25X

### Top Features

- Heavy-duty cast aluminium wire drive system provides reliable feeding and more durability.
- Tachometer feedback allows for accurate wire feed speed.
- Dual Range Wire Feed Speed – Delivers greater precision at low end wire feed speeds.
- Potted PC Boards – For moisture and corrosion protection.
- Trigger Interlock Switch – Provides enhanced operator comfort for long welds.

### Specifications

RATED OUTPUT	450A @ 60%
INPUT POWER	15-115V DC
FLOW METER	Yes
WIRE SIZE RANGE	Solid 0.6-1.6mm, Cored 0.9-2.0mm, Aluminium 0.9-1.6mm
WIRE FEED SPEED	1.3 – 17.8m/min
WEIGHT	19KG
DIMENSIONS (H X W X D)	381mm x 221mm x 589mm
POWER CONNECTION	Mech



### Processes

MIG, Flux-Cored

# WIRE FEEDERS

## Miller Arc Reach Feeder

### Top Features

- Cable Length Compensation (CLC™) ensures that the voltage a weld operator sets is the voltage they get by automatically adjusting voltage based on weld cable length, even hundreds of feet away from the power source.
- Built for harsh conditions with encapsulated boards and high impact case
- Weld operators can Adjust While Welding (AWW™) to change weld parameters while the arc is on
- Set volts and wire feed speed remotely. The simple interface on the feeder allows operators to adjust parameters at the point of use with no control cords.

### Specifications

RATED OUTPUT	450A @ 60%
WIRE SIZE RANGE	.6 – 2MM (2MM FC ONLY)
INPUT POWER	Operates on open-circuit voltage and arc voltage: 14–48 VDC/ 110 max. OCV
DIMENSIONS (H X W X D)	(394 mm) (229 mm) (533 mm)
WEIGHT	15.9 KG



### Processes

MIG (GMAW), Flux-Cored (FCAW). Compatible with all Lincoln and Miller multi process machines. Arc Reach enabled when paired with an arc reach enabled power source.

## Power Feed 84 & 84 Dual

### Top Features

- Intelligent auto-Settings simplify process setup and control
- Eight User Memories – Per feed head for complete welding procedure recall
- STT with compatible power source
- Hyper fill compatible with S500 power source

### Specifications

RATED OUTPUT	600 amps
WIRE SIZE RANGE	.6 – 2.8MM
INPUT POWER	40v
DIMENSIONS (H X W X D)	640 x 394 x 709) single wire drive. 640 x 572 x 777) dual wire drive
WEIGHT	29 KG



### Processes

MIG, Pulsed MIG, MIG-STT®, Flux-Cored, Stick, TIG, Gouging, HyperFill™.





# **PULSE MIGS & STT**



# PULSE MIGS & STT

## Lincoln PF46

### Top Features

- Intelligent auto-Settings simplify process setup and control
- Easy-to-understand user interface panels make it easy to set weld parameters.
- Gouge up with up to 13mm carbons
- STT with power wave power source
- Arc link compatible
- Pre programmed for most wire types

### Specifications

RATED OUTPUT	500 amps @60% with Flextec 500x
WIRE SIZE RANGE	.6 – 1.6MM
INPUT POWER	PF 46 FEEDER 40V. FLEXTERC 500X 380 – 415V
DIMENSIONS (H X W X D)	PF 46 FEEDER 460 mm x 300 mm x 640 mm FLEXTEC 500X 477 x 356 x 699
WEIGHT	60KG TOTAL PACKAGE

### Processes

MIG, Pulsed MIG, MIG-STT® , Flux-Cored, Stick, TIG, Gouging, HyperFill™.



# **TIG WELDERS**

# TIG WELDERS

## Miller Maxstar 200DX

### Top Features

- Low OCV
- DC TIG FEATURES Exceptionally smooth and precise arc for welding exotic materials.
- FAN-ON-DEMAND™ Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.
- AUTO-LINE™ POWER MANAGEMENT Automatically compensates for various input voltage. Suits job site and generator power. Single or 3 phase.

### Specifications

RATED OUTPUT	175 A at 17 V, 60% Duty Cycle
INPUT POWER	240v – 430v 5kva
DIMENSIONS (H X W X D)	H: 343 W: 191 D: 445
WEIGHT	16.8 KG

### Processes

TIG (GTAW) Pulsed TIG (GTAW-P) Stick (SMAW) Air Carbon Arc (CAC-A)



## Lincoln Invertec 300TPX

### Top Features

- Fully functional, user-friendly control panel layout with graph and numeric display makes it easy to set all welding parameters.
- Rugged construction: electrical safety (IP23S), potted PC boards and optimum airflow reduce contamination to extend the equipment's lifespan in the harshest environmental conditions.
- Complete TIG parameters setting: Pulse TIG with variable frequency that allows the welder to adjust the arc focus to suit the applications, 10 memory slots for personalized welding settings, TIG Spot welding.
- Perfect TIG HF starting with pre-settable starting mode.
- HF and Lift TIG ignition meeting all requirements.

### Specifications

RATED OUTPUT	300A/22V@40%, 220A/18,8V@100%
INPUT POWER	400/3/50-60 Hz (+/-15%)
DIMENSIONS (H x W x D)	502 mm x 247 mm x 349 mm
WEIGHT	22 kg

### Processes

TIG (GTAW), Pulsed Tig (GTAW-P), Stick (SMAW)





# **STUD WELDERS**

# STUD WELDERS

## Nelson N1500I

### Top Features

- Secured studs with a full-size diameter from 3 – 16mm with drawn arc and from 4 – 12mm in short cycle mode
- The ingenious merger of little weight and compact design with a high output power of 1500 amps, continuously adjustable from 50 – 1500 ampere
- Easy to adjust gun
- Display / operator panel: 2 rows, each with 6-digit dot-matrix / membrane keyboard

### Options & Accessories

- Stud Guns - NS 20 BHD "Heavy Duty" Drawn arc process, NS 40 SL Short cycle process, NS 20 BHD "Heavy Duty" Drawn arc process
- Nelware™ Software (external weld monitor and production log) Ethernet 10/100-Base-T interface

### Specifications

WELDING RANGE	Drawn arc Ø 3mm – Ø 16mm Short cycle Ø 4mm – Ø 12mm Shield gas Ø 3mm – Ø 12mm
INPUT POWER	400V 3 PHASE. 63 AMPS MAX CURRENT INPUT
RATED OUTPUT	50 – 1500 AMPS
WELDING TIME	5ms - 1000ms (stepless adjustable)
DIMENSIONS (H X W X D)	280 x 430 x 780mm
WEIGHT	44 KG

### Processes

Stud Welding (drawn, short cycle, Shield Gas).



# **VERTICAL TANK WELDING**

# VERTICAL TANK WELDING

## LNG Vertical Tank Welder

### Top Features

- Adjustable frame for plates 3.4 – 4.2m
- Dual motor inverter drive system
- Rigid MDS travel rail
- Elevated operator platform with pendant control

### Specifications

EGW FRAME	Double sided self-propelled wind shielding platform
POWER SOURCE	2 x Lincoln Vantage 580
GROUNDING	Rotary ground on drive wheel
COOLING SYSTEM	Lincoln Cooler Arc 40
FUME EXTRACTION	Lincoln X Tractor 1G
WIRE FEEDER	Lincoln LN-10
CARRIAGE SYSTEM	Gullco Kat drive with oscillation

### Processes

Tank Fabrication, Vertical Welding



# TANK GIRTH WELDING

## AGW Girth Welder

### Top Features

- Handrail, Operator Seat, Weatherproof Curtain.
- Laser pointer on weld head for easier wire tip positioning.
- Integrated control panel for sequence control and ease of operation.
- Enclosed dual motor AC inverter drive.

### Specifications

WELD HEAD	Lincoln NA3S Weld Head
POWER SOURCE	Lincoln Flextec 650
CONTROL	Master control panel integrated with Lincoln NA3 welding control
FLUX RECOVERY	Belt assembly flux recovery
WELDING THICKNESS	8 – 45mm
TRAVEL SPEED	100 – 2900mm / min
TANK DIAMETER	Minimum 4.5 metres

### Processes

Tank Fabrication, Horizontal Girth Welding





# **MULTI- DIRECTIONAL WELDING**



# MULTI-DIRECTIONAL WELDING

## Gullco GK-200-F Linear Travel Carriage

### Top Features

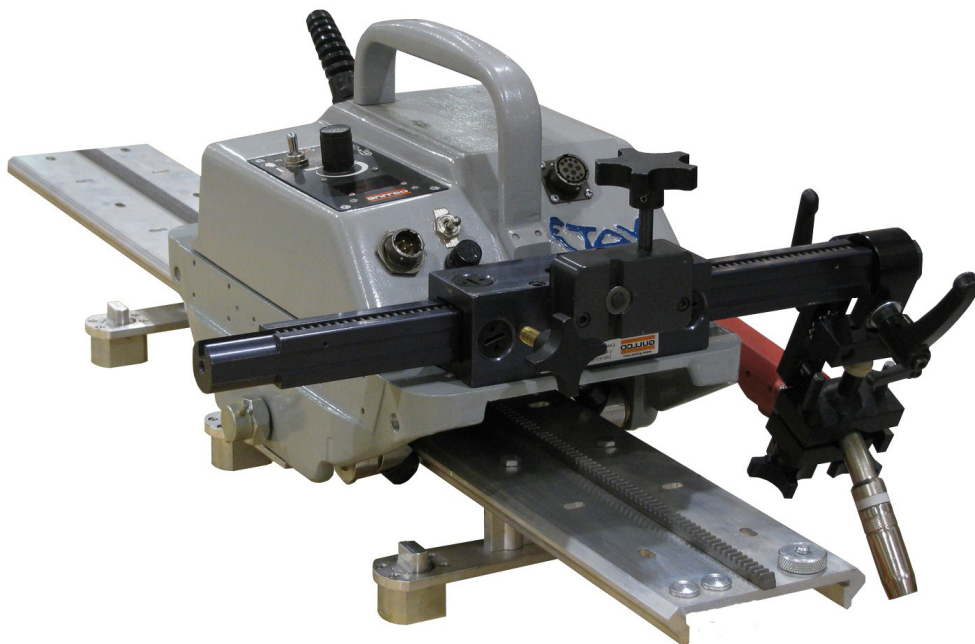
- KAT® carriage
- Motorized stroke width
- Motorized centre line adjustment
- Gullco microprocessor-based programmable control

### Specifications

SPEED RANGE	1.2 – 41.6 cm / min
HEAD UNIT	Linear Oscillator
DWELL CONTROL	0 – 5 sec
TRAVEL START DELAY	0 – 9.9 sec
POST WELD DELAY	0 – 9.9 sec
TRAVEL DIRECTION	Forward and reverse
CONTROL	Programmable microprocessor-based
TRACK	Gullco Flexi and Rigid track options available

### Processes

Automated welding cycles, stitch welding, seam welding, repeatable weld patterns, accurate weld patterns





# **INDUCTION HEATING**

# INDUCTION HEATING

## ProHeat™ 35

### Top Features

- Reduces Pre-Heating Time by up to 400%
- On-Board Temperature Control
- Uniform Heating
- Improved Safety
- Low Consumable Costs

### Specifications

RATED OUTPUT	35kw @ 100% duty cycle.
OUTPUT FREQUENCY	5-30 kHz.
INPUT POWER	400-460v 3 Phase 50/60 Hz Ce.
AIR COOLED CAPACITY	204°C
LIQUID COOLED CAPACITY	788°C
ROLLING INDUCTOR	Single or double rolling inductor available.
DIMENSIONS (H X W X D)	669 x 552 x 993.

### Processes

Pre-heating, Maintaining heat, Stress relieving, Shrink fit, Coating removal.



# **PLASMA CUTTERS**

# PLASMA CUTTERS

## Powermax30® Air

### Top Features

- Professional grade with built in compressor
- Highest power to weight ratio in class
- Increased performance and cut quality
- Lightweight highly portable system
- Fast cutting speeds

### Specifications

OUTPUT CURRENT	5–30 A
DUTY CYCLE @ 40°C	35%, 240v
RATED OUTPUT VOLTAGE	83 VDC
OPEN CIRCUIT VOLTAGE	256 VDC
POWER SUPPLY TYPE	Inverter – IGBT
ENGINE DRIVE REQ	5,5 kW for full 30 A output
WEIGHT WITH 4.5m TORCH	13.5kg
DIMENSIONS (H X W X D)	333mm x 195mm x 420mm



### Processes

Mining, Manufacturing, construction, agriculture, rail, vehicle repair and modification.

## Powermax85®

### Top Features

- Professional grade metal cutting and gouging
- 2.5 times cut speed on 1/2" steel compared to oxyfuel
- Increased performance and cut quality
- Reduced consumable cost with increased uptime
- SpringStart™ technology

### Specifications

OUTPUT CURRENT	25–85 A
DUTY CYCLE @ 40°C	60% @ 85 A, 230–600 V, 3-PH
RATED OUTPUT VOLTAGE	143 VDC
OPEN CIRCUIT VOLTAGE	305 VDC
POWER SUPPLY TYPE	Inverter – IGBT
ENGINE DRIVE REQ	20 kW for full 85 A output
WEIGHT WITH 3m TORCH	32 kg
DIMENSIONS (H X W X D)	455mm x 234mm x 500mm



### Processes

Mining, Manufacturing, construction, agriculture, rail, vehicle repair and modification.

# PLASMA CUTTERS

## Powermax105 ®

### Top Features

- Professional grade metal cutting and gouging
- 3 times cut speed on 12mm steel compared to oxyfuel
- Increased performance and cut quality
- Reduced consumable cost with increased uptime
- SpringStart™ technology

### Specifications

OUTPUT CURRENT	30-105 A
DUTY CYCLE @ 40°C	80% @ 105A / 100% @ 94A
RATED OUTPUT VOLTAGE	160 VDC
OPEN CIRCUIT VOLTAGE	380 V CCC and 230-400 V CE: 288 VDC
POWER SUPPLY TYPE	Inverter – IGBT
ENGINE DRIVE REQ	30 kW for full 105 A output
WEIGHT WITH 7.6m TORCH	45 kg
DIMENSIONS (H X W X D)	508mm x 274mm x 592mm



### Processes

Mining, Manufacturing, construction, agriculture, rail, vehicle repair and modification.





# **ROTATING EQUIPMENT**



# ROTATING EQUIPMENT

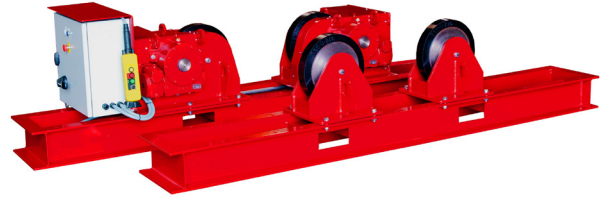
## RDA CR10 Turning Rolls

### Top Features

- Adjustable wheel brackets
- Twin motor, twin wheel drive system
- Double reduction worm and wheel gearboxes
- Forklift slots for easy manoeuvrability

### Specifications

LOAD CARRY CAPACITY	10 ton
ROTATION CAPACITY	15 ton
VESSEL DIAMETER CAPACITY	350 mm to 5000 mm
ROTATION SPEED RANGE	140 to 1400 mm/min
DRIVE WEIGHT	675kg
IDLER WEIGHT	400kg
ROTATION DRIVE MOTORS	2 x 0.55kW with fan cooling
INGRESS PROTECTION RATING	IP65



### Processes

Vessel rotation, Positioning

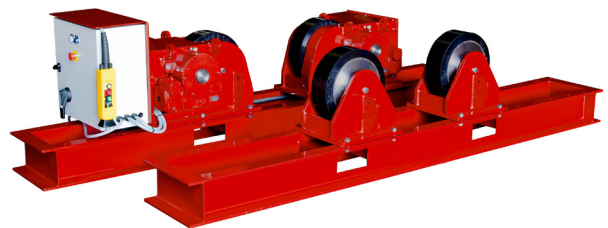
## RDA CR20 Turning Rolls

### Top Features

- Adjustable wheel brackets
- Twin motor, twin wheel drive system
- Double reduction worm and wheel gearboxes
- Forklift slots for easy manoeuvrability

### Specifications

LOAD CARRY CAPACITY	20 ton
ROTATION CAPACITY	30 ton
VESSEL DIAMETER CAPACITY	350 mm to 5000 mm
ROTATION SPEED RANGE	140 to 1400 mm/min
DRIVE WEIGHT	750kg
IDLER WEIGHT	500kg
ROTATION DRIVE MOTORS	2 x 0.75kW with fan cooling
INGRESS PROTECTION RATING	IP65



### Processes

Vessel rotation, Positioning

# ROTATING EQUIPMENT

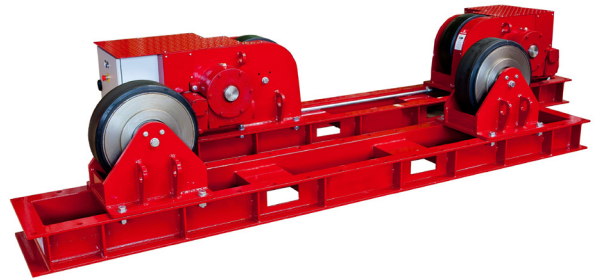
## RDA CR30 Turning Rolls

### Top Features

- Adjustable wheel brackets
- Twin motor, twin wheel drive system
- Double reduction worm and wheel gearboxes
- Forklift slots for easy manoeuvrability

### Specifications

LOAD CARRY CAPACITY	30 ton
ROTATION CAPACITY	45 ton
VESSEL DIAMETER CAPACITY	570 mm to 6800 mm
ROTATION SPEED RANGE	130 to 1300 mm/min
DRIVE WEIGHT	1525kg
IDLER WEIGHT	960kg
ROTATION DRIVE MOTORS	2 x 1.1kW with fan cooling
INGRESS PROTECTION RATING	IP65



### Processes

Vessel rotation, Positioning

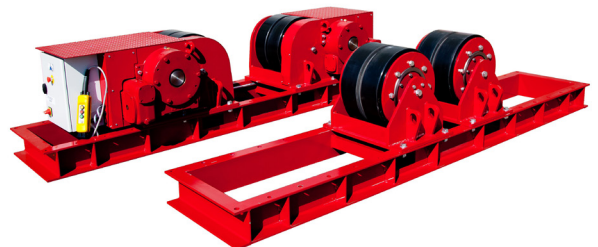
## RDA CR60 Turning Rolls

### Top Features

- Adjustable wheel brackets
- Twin motor, twin wheel drive system
- Double reduction worm and wheel gearboxes
- Forklift slots for easy manoeuvrability

### Specifications

LOAD CARRY CAPACITY	60 ton
ROTATION CAPACITY	90 ton
VESSEL DIAMETER CAPACITY	570 mm to 6800 mm
ROTATION SPEED RANGE	130 to 1300 mm/min
DRIVE WEIGHT	2050kg
IDLER WEIGHT	1250kg
ROTATION DRIVE MOTORS	2 x 1.5kW with fan cooling
INGRESS PROTECTION RATING	IP65



### Processes

Vessel rotation, Positioning

# ROTATING EQUIPMENT

## RDA CR100 Turning Rolls

### Top Features

- Adjustable wheel brackets
- Twin motor, twin wheel drive system
- Double reduction worm and wheel gearboxes
- Forklift slots for easy manoeuvrability

### Specifications

LOAD CARRY CAPACITY	100 ton
ROTATION CAPACITY	750 ton
VESSEL DIAMETER CAPACITY	570 mm to 6800 mm
ROTATION SPEED RANGE	130 to 1300 mm/min
DRIVE WEIGHT	2800kg
IDLER WEIGHT	1600kg
ROTATION DRIVE MOTORS	2 x 2.2kW with fan cooling
INGRESS PROTECTION RATING	IP65



### Processes

Vessel rotation, Positioning

# **POWER GENERATORS**

# POWER GENERATORS

## 22kva Generator IKRN - 22

### Top Features

- Stage rated engine providing market leading fuel consumption curves
- Three-phase, alternator model MECC-ALTE ECP28-MC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Outlet panel assembly inbuilt
- Soundproof canopy treated with rust removing products for zink layer application and Polyester (QUALICOAT) painting

### Specifications

PRIME POWER	20KVA
STANDBY POWER	22KVA
AMPS	29
TYPE OF ENGINE	Kohler
HP AND SPEED	1500 RPM
CYLINDERS	3
DIMENSIONS (L X W X H)	2055 X 1020 X 1535
NOISE LEVEL	60DBA
WEIGHT	1020
FUEL CONSUPTION	50% LOAD = 2.7 LPR 75% LOAD = 4 LPR
FUEL TANK SIZE	180L

### Application

The "INMESOL" 20 - 22 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel KOHLER KD11903M engine, 50 Hz - Three-phase, alternator model MECC-ALTE ECP28-MC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure. The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.



# POWER GENERATORS

## 30kva Generator IKRN - 30

### Top Features

- Stage rated engines providing market leading fuel consumption curves
- Three-phase, alternator model MECC-ALTE ECP28-MC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Soundproof canopy treated with rust removing products for zink layer application and Polyester (QUALICOAT) painting

### Specifications

PRIME POWER	32 kVA
STANDBY POWER	35 kVA
VOLTAGE	400/230
TYPE OF ENGINE	Kohler
HORSEPOWER	83.1hp
CYLINDERS	4
DIMENSIONS (L X W X H)	2055mm x 1020mm x 1535mm
NOISE LEVEL	60db(a)
WEIGHT	1120kg
FUEL CONSUPTION	50% load, 4.33 ltrs, per hour
FUEL TANK SIZE	180 ltrs

### Application

The "INMESOL" 27 - 30 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel KOHLER KDI2504M engine, 50 Hz - Three-phase, alternator model MECC-ALTE ECP28-VLC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.



# POWER GENERATORS

## 44kva Generator IKR - 44

### Top Features

- Stage rated engines providing market leading fuel consumption curves
- Three-phase, alternator model MECC-ALTE, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Soundproof canopy treated with rust removing products for zinc layer application and Polyester (QUALICOAT) painting

### Specifications

PRIME POWER	40KVA
STANDBY POWER	44VA
AMPS	64
TYPE OF ENGINE	Kohler
HP AND SPEED	1500 RPM
CYLINDERS	4
DIMENSIONS (L X W X H)	2555 X 1160 X 1630
NOISE LEVEL	60DBA
WEIGHT	1380
FUEL CONSUPTION	50% LOAD = 5.7 LPR 75% LOAD = 8 LPR
FUEL TANK SIZE	250L

### Application

The "INMESOL" 40 - 44 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel KOHLER KDI2504TM engine, 50 Hz - Three-phase, alternator model MECC-ALTE ECP32-2SC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.



# POWER GENERATORS

## 60 kva Generator IKRN - 60

### Top Features

- Stage rated engines providing market leading fuel consumption curves
- Three-phase, alternator model MECC-ALTE, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Soundproof canopy treated with rust removing products for zinc layer application and Polyester (QUALICOAT) painting

### Specifications

PRIME POWER	60 kVA
STANDBY POWER	66 kVA
VOLTAGE	400/230
TYPE OF ENGINE	Kohler
HORSEPOWER	134hp
CYLINDERS	4
DIMENSIONS (L X W X H)	2540mm x 1140mm x 1647mm
NOISE LEVEL	60db(a)
WEIGHT	1660kg
FUEL CONSUPTION	50% load, 8.2 ltrs per hour
FUEL TANK SIZE	250 ltrs

### Application

The "INMESOL" 60 - 66 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel KOHLER KDI3404TM engine, 50 Hz - Three-phase, alternator model MECC-ALTE ECP32-2MC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.





# POWER GENERATORS

## 110kva Generator IVR-110

### Top Features

- Stage rated engines providing market leading fuel consumption curves
- Three-phase, alternator model MECC-ALTE, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Soundproof canopy treated with rust removing products for zinc layer application and Polyester (QUALICOAT) painting
- IG 200 SYNCNRSATION PANEL OPTION

### Specifications

PRIME POWER	100KVA
STANDBY POWER	110VA
AMPS	158
TYPE OF ENGINE	VOLVO
HP AND SPEED	1500 RPM
CYLINDERS	4
DIMENSIONS (L X W X H)	2990 X 1160 X 1900
NOISE LEVEL	64DBA
WEIGHT	2040
FUEL CONSUPTION	50% LOAD = 12 LPR 75% LOAD = 17 LPR
FUEL TANK SIZE	480L

### Application

The "INMESOL" 100 - 110 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel VOLVO TAD531GE engine, 50 Hz - Three-phase, alternator model MECC-ALTE ECP34-2SC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.



# POWER GENERATORS

## 165 kva Generator IVR - 165

### Top Features

- Stage rated engines providing market leading fuel consumption curves
- Three-phase, alternator model MECC-ALTE, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Soundproof canopy treated with rust removing products for zinc layer application and Polyester (QUALICOAT) painting
- IG 200 SYNCRONISATION PANEL OPTION

### Specifications

PRIME POWER	150 KVA
STANDBY POWER	165VA
AMPS	238
TYPE OF ENGINE	VOLVO
HP AND SPEED	1500 RPM
CYLINDERS	4
DIMENSIONS (L X W X H)	3640 X 1200 X 2295
NOISE LEVEL	60DBA
WEIGHT	2560
FUEL CONSUPTION	50% LOAD = 18 LPR 75% LOAD = 26 LPR
FUEL TANK SIZE	1100L

### Application

The "INMESOL" 150 - 165 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel VOLVO TAD731GE engine, 50 Hz - Three-phase, alternator model MECC-ALTE ECP34-1LC, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.



# POWER GENERATORS

## 275 kva Generator IVR - 275

### Top Features

- Stage rated engines providing market leading fuel consumption curves
- Three-phase, alternator model STANFORD, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Soundproof canopy treated with rust removing products for zinc layer application and Polyester (QUALICOAT) painting
- IG 200 SYNCRONISATION PANEL OPTION

### Specifications

PRIME POWER	250 KVA
STANDBY POWER	275 VA
AMPS	396
TYPE OF ENGINE	VOLVO
HP AND SPEED	1500 RPM
CYLINDERS	6
DIMENSIONS (L X W X H)	3640 X 1200 X 2295
NOISE LEVEL	66DBA
WEIGHT	3320
FUEL CONSUPTION	50% LOAD = 30 LPR 75% LOAD = 42 LPR
FUEL TANK SIZE	1100L

### Application

The "INMESOL" 250 - 275 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel VOLVO TAD734GE engine, 50 Hz - Three-phase, alternator model STAMFORD UCIDI274K, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.



# POWER GENERATORS

## 330 kva Generator IVR - 330

### Top Features

- Stage rated engines providing market leading fuel consumption curves
- Three-phase, alternator model STANFORD, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure
- Heavy duty rental specifications including standard mine site ready specifications
- Comap controller with optional auto start and remote monitoring
- Soundproof canopy treated with rust removing products for zinc layer application and Polyester (QUALICOAT) painting
- IG 200 SYNCRONISATION PANEL OPTION

### Specifications

PRIME POWER	300 KVA
STANDBY POWER	330VA
AMPS	476
TYPE OF ENGINE	VOLVO
HP AND SPEED	1500 RPM
CYLINDERS	6
DIMENSIONS (L X W X H)	4260 X 1650 X 2395
NOISE LEVEL	66DBA
WEIGHT	4200
FUEL CONSUPTION	50% LOAD = 35 LPR 75% LOAD = 51 LPR
FUEL TANK SIZE	1800L

### Application

The "INMESOL" 300 - 330 kVA generator (INDUSTRIAL MANUAL), is an electrical energy generating machine with diesel VOLVO TAD1341GE engine, 50 Hz - Three-phase, alternator model STAMFORD HCI444D, 400/230 Voltage, which is used in places where there is no mains supply or when there is a MAINS failure.

The mobile elements, distribution belt, fan, etc., and those parts which reach high temperatures during operation, exhaust manifold, etc, include their corresponding protections, in compliance with the requirements of the Machinery Directive 2006/42.



# POWER GENERATORS

## CAT 500kva Generator

### Top Features

- Optimised for 5% lower fuel consumption
- Scalable system to meet a wide range of installation requirements
- Designed to operate in standard ambient temperatures up to 55°C (131°F)
- Cat® C13 In-line 6 Cylinder, 4 Stroke Diesel
- Four-stroke-cycle diesel engine combines consistent performance and excellent fuel economy with minimum weight
- Mandatory Option circuit breaker, IEC, 3 pole, mounted in power centre
- Cat Electronic Governor (ADEM A4)
- Cat GC Enclosure

### Specifications

PRIME POWER	500kva
STANDBY POWER	550kva
AMPS	765-835
TYPE OF ENGINE	Cat® C13
HORSEPOWER	520hp
CYLINDERS	6
DIMENSIONS (L X W X H)	3100mm x 1338mm x 2168mm
NOISE LEVEL	IP65
WEIGHT	3500kg
FUEL CONSUMPTION	50% load with fan, 54.6 ltrs per hour
FUEL TANK SIZE	721 ltrs

### Processes

Power Generation





# **ELECTRICAL DISTRIBUTION BOARDS**

# ELECTRICAL DISTRIBUTION BOARDS

## Spinefex Lifeguard LG16

### Top Features

- High Quality ABL Socket Outlets
- Total Weight Only 15kg
- High Impact Polyethylene Construction
- Corrosion Resistant

### Specifications

SUPPLY INPUT POWER	32A, 3 phase + N + E, 415VAC IEC
FREQUENCY	50-60Hz
RCD	4 pole, 30mA, 230 - 415VAC
SOCKET OUTLETS 32A	1 x 32A three phase 3P + N + E, 415VAC
SOCKET OUTLETS 16A	1 x 16A single phase, 2P + E IEC
SOCKET OUTLETS 10/15A	8 x 10/15A single phase 2P + E, 230VAC
INTERCONNECTION	32A, 3 phase + N + E, 415VAC, CEE17, IEC309
MATERIAL	Polyethylene enclosure
WEIGHT	15kg



### Processes

Multiple 3phase and single phase outlet power distribution, RCD protection, Overload circuit breaking, Mine site compliance, 10ka Breakers.

## Spinefex Lifeguard LG17

### Top Features

- Socket outlets may be varied in combination
- Total Weight Only 20kg
- High Impact Polyethylene Construction
- Corrosion Resistant

### Specifications

SUPPLY INPUT POWER	63A, 3 phase + N + E, 415VAC IEC
FREQUENCY	50-60Hz
RCD	Multiple RCD's
SOCKET OUTLETS 32A	3 x 32A three phase 3P + N + E, 415VAC
SOCKET OUTLETS 16A	1 x 16A single phase, 2P + E IEC
SOCKET OUTLETS 10/15A	12 x 10/15A single phase, 2P + E, 230VAC
INTERCONNECTION	63A, 3 phase + N + E, 415VAC, CEE17, IEC309
MATERIAL	Polyethylene enclosure
WEIGHT	15kg



### Processes

Mining, Manufacturing, construction, agriculture, pressure cleaning, rail, weld preparation.

# ELECTRICAL DISTRIBUTION BOARDS

## Spinefex Lifeguard LG83

### Top Features

- Socket outlets may be varied in combination
- Master isolation, sub circuit protection
- Fully adaptable to include an MCCB main switch up to 1000amp +
- Available in a variety of different current ranges and configurations

### Specifications

SUPPLY INPUT POWER	Up to 225A/1000A, 415VAC 50Hz
GEAR TRAY	GPR (Glass reinforced plastic)
TERMINALS	4 pole, 30mA, 230 - 415VAC
DOOR	Lockable
MOUNTING	Galvanised steel tube with wheels
MATERIALS	GRP
WEIGHT	75kg

### Expansion Specifications

SOCKET OUTLETS 63A	3 x 63A IEC 3P + N + E for LIFE GUARD 17
SOCKET OUTLETS 32A	3 x 32A 3P +N + E for LIFE GUARD 16 and SITE HUTS
SOCKET OUTLETS 16A	2 x 16A sockets for lighting etc
SOCKET OUTLETS 15A	4 x 15A G.P.O. with RCD for immediate work

### Processes

Multiple 3phase and single phase outlet power distribution, RCD protection, Overload circuit breaking, Mine site compliance, 10ka Breakers.





# ELECTRICAL DISTRIBUTION BOARDS

## Spineflex Lifeguard 83 Monster

### Top Features

- Socket outlets may be varied in combination
- Master isolation, sub circuit protection
- Fully adaptable to include an MCCB main switch up to 1000amp +
- Available in a variety of different current ranges and configurations

### Specifications

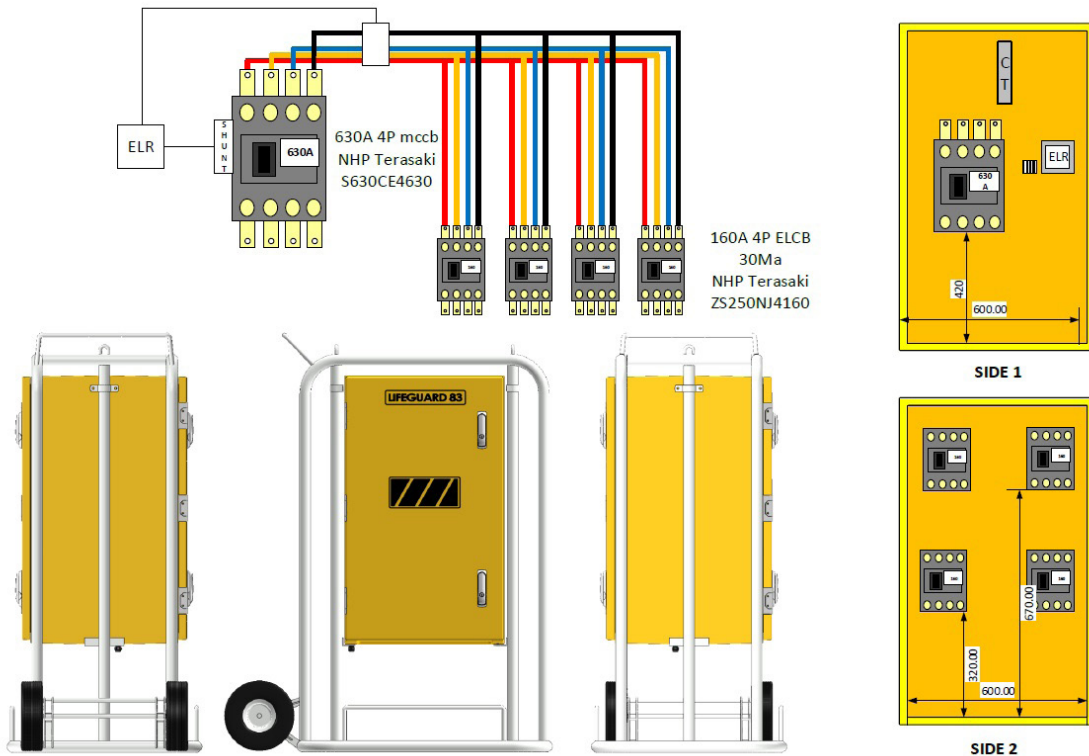
SUPPLY INPUT POWER	Up to 225A/1000A, 415VAC 50Hz
GEAR TRAY	GPR (Glass reinforced plastic)
TERMINALS	4 pole, 30mA, 230 - 415VAC
DOOR	Lockable
MOUNTING	Galvanised steel tube with wheels
MATERIALS	GRP
WEIGHT	75kg

### Expansion Specifications

SOCKET OUTLETS 63A	3 x 63A IEC 3P + N + E for LIFEGUARD 17
SOCKET OUTLETS 32A	3 x 32A 3P +N + E for LIFEGUARD 16 and SITE HUTS
SOCKET OUTLETS 16A	2 x 16A sockets for lighting etc
SOCKET OUTLETS 15A	4 x 15A G.P.O. with RCD for immediate work

### Processes

Multiple 3phase and single phase outlet power distribution, RCD protection, Overload circuit breaking, Mine site compliance, 10ka Breakers.



# **COMPRESSORS**

# COMPRESSORS

## Airman PDS 55S

### Top Features

- Japanese Quality Construction
- 100psi working pressure
- 55cfm free air delivery
- Compact design

### Specifications

WORKING PRESSURE	700kpa / 100psi
FREE AIR DELIVERY	55CFM / 1.6m <sup>3</sup>
MAX WORKING PRESSURE	825kpa / 120psi
TYPE OF ENGINE	IHI Shibaura E673L-D
KW AND SPEED	10.5 KW / 3,200RPM
CYLINDERS	3
DIMENSIONS (H X W X D)	820mm x 720mm x 1420mm
NOISE LEVEL	66 dB(A) @ 7m



### Processes

Mining, Manufacturing, construction, agriculture, pressure cleaning, rail, weld preparation.

## Airman PDS 80S

### Top Features

- Genuine Kubota engine
- 100psi working pressure
- 80cfm free air delivery
- Compact design

### Specifications

WORKING PRESSURE	700kpa / 100psi
FREE AIR DELIVERY	80CFM / 2.3m <sup>3</sup>
MAX WORKING PRESSURE	825kpa / 120psi
TYPE OF ENGINE	Kubota D902-K3A
KW AND SPEED	17 KW / 3,600RPM
CYLINDERS	3
DIMENSIONS (H X W X D)	865mm x 770mm x 1500mm
NOISE LEVEL	66 dB(A) @ 7m



### Processes

Mining, Manufacturing, construction, agriculture, pressure cleaning, rail, weld preparation.

# COMPRESSORS

## Airman PDS 100S

### Top Features

- Genuine Kubota engine
- 100psi working pressure
- 100cfm free air delivery
- Compact design

### Specifications

WORKING PRESSURE	700kpa / 100psi
FREE AIR DELIVERY	100CFM / 2.8 m3
MAX WORKING PRESSURE	825kpa / 120psi
TYPE OF ENGINE	Kubota D1105-K3B
KW AND SPEED	19.2KW / 3,400RPM
CYLINDERS	3
DIMENSIONS (H X W X D)	900mm x 770mm x 1580mm
NOISE LEVEL	67 dB(A) @ 7m



### Processes

Mining, Manufacturing, construction, agriculture, pressure cleaning, rail, weld preparation.



# MANAGED SERVICES

Renteca managed services provide options for customers wanting to outsource maintenance activities, equipment control, testing systems and equipment compliance requirements. Renteca offers customised managed services which range from Low Integration to High Integration offerings by way of fully outsourced equipment and rental services.

## Low Integration

### Test, Repair, Inspect and Maintain (TRIM)

Our low integration TRIM services are used when our customers own their own assets but do not have internal resources available for testing, repairs inspection and Maintenance. Our TRIM services include scalable custom options dependent on customer requirements. Our TRIM services include the following options:

- Development of maintenance and inspection guidelines on a per asset basis which leverage Renteca's combined 100years of industry experience. Our testing regimes are linked to OEM guidelines, are industry specific accounting for mine site requirements, construction projects and general Australian standards.
- Entry of customer equipment into Renteca's electronic customer portal. This allows customers to access their testing results, see their asset lists, service history and equipment information in real time. This system can be used for customers with multiple depots or job sites.
- Routine testing and inspection work on site with OEM trained technicians and scheduling of work including service due reports.
- General Equipment Repairs.
- Calibration and testing records.

## Medium Integration

Renteca provides standard rental equipment options where customers want the flexibility of asset ownership, quality equipment and keep up to date with current technologies. Our customers still have the option of using our customer portal and rental management software.




## High Integration

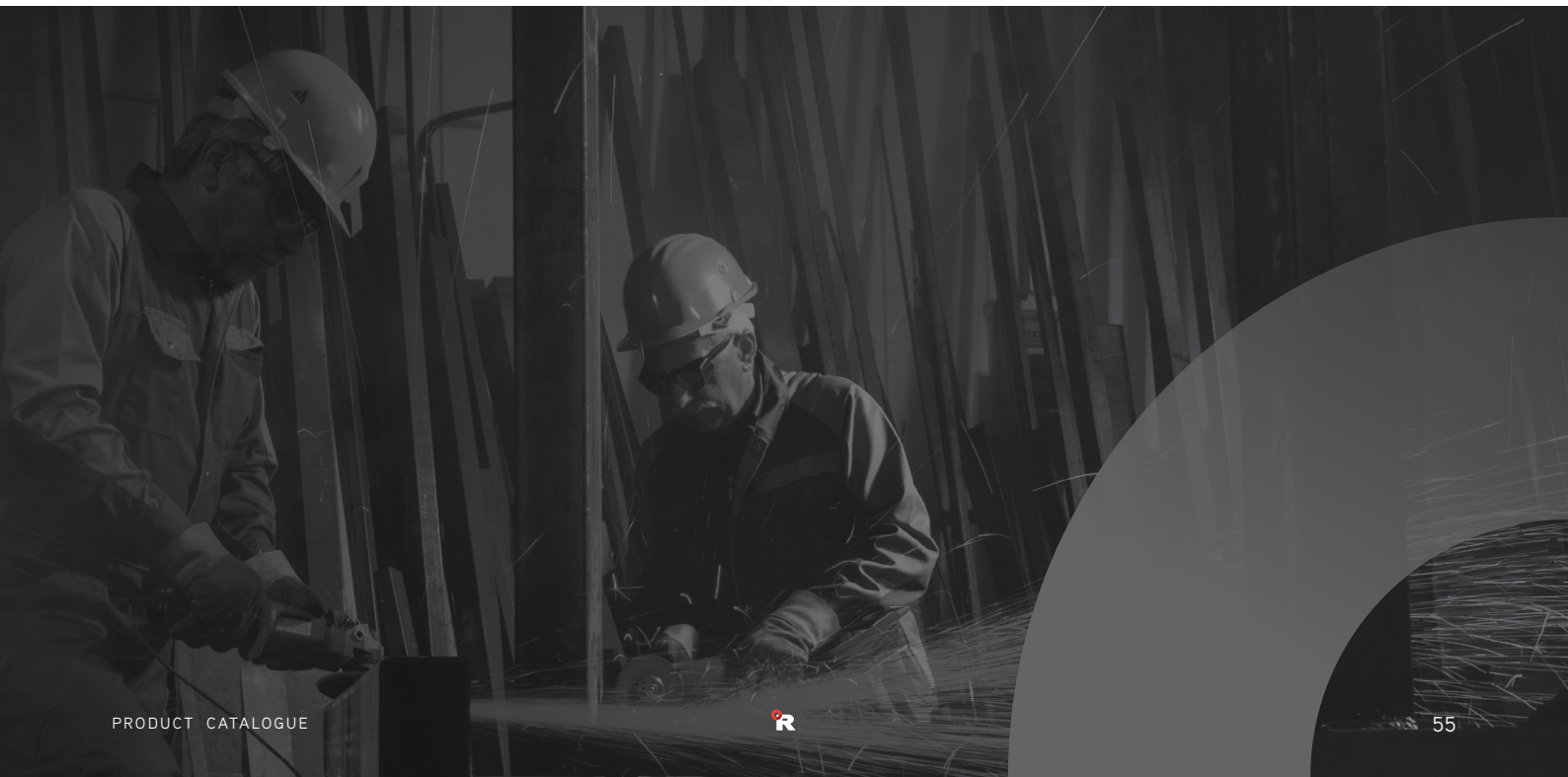
A combination of TRIM services and Rental equipment for peak periods where the customer owns equipment but has a requirement to supplement their own fleet, out-source maintenance activities and increase fleet numbers during peak periods or short-term projects. Renteca takes on all equipment maintenance services including customer service staff. Renteca consigned equipment can be located at the job site GPS tracked and charged on a usage only basis.

# MANAGED SERVICES GOAL

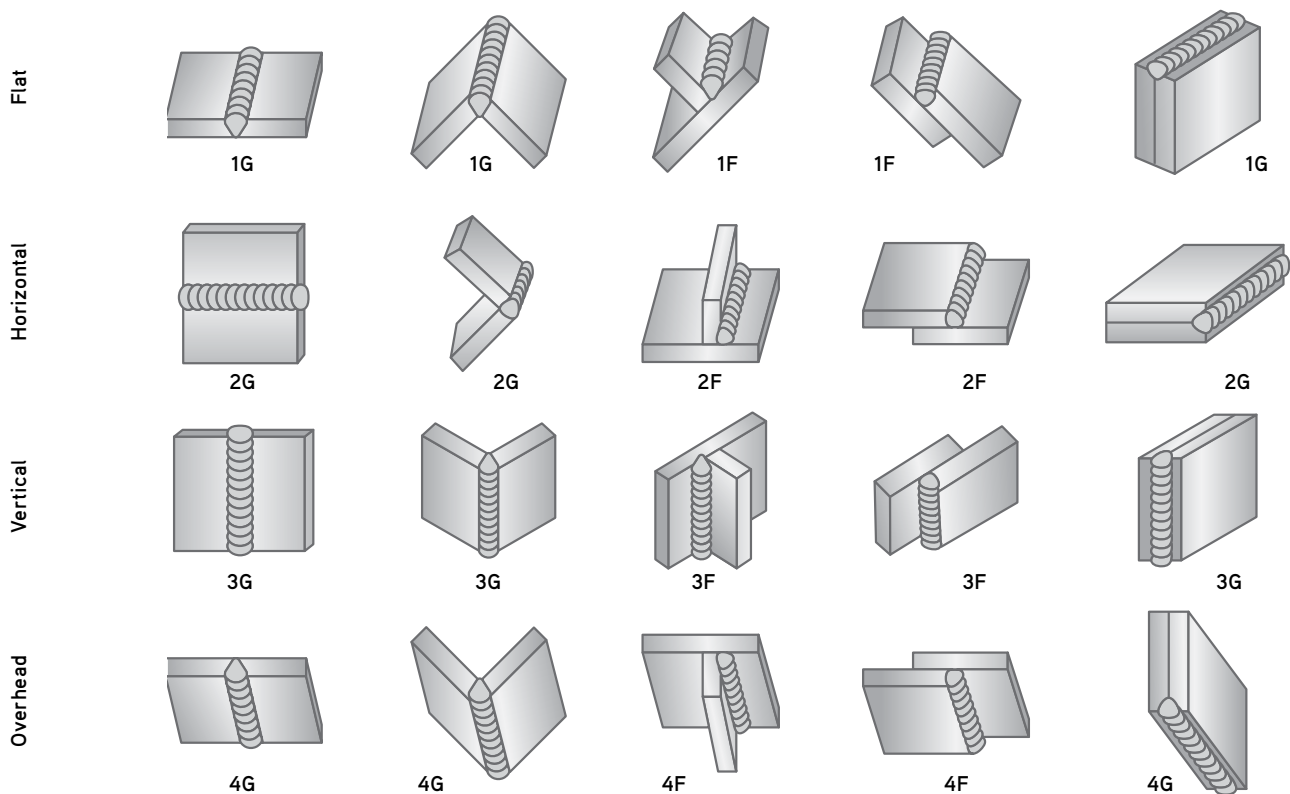
Better control over quality, costs of equipment and services provided, thereby reducing risks faced usually due to break downs, non-availability and in ill managed resource situations (over – under supply). Being in control ensures reduced risks, which equals to efficient project execution, leading to timely deliveries, enhanced compliance and increased profit margins.

Managed Services Matrix:

	T.R.I.M	RENTAL	FULL OUTSOURCING
Operating Risk	 <p>Reduced risk of breakdown in own assets.</p> <p><b>Medium – High Risk</b></p>	 <p>Quality, Availability &amp; Flexibility.</p> <p><b>Low – Medium Risk</b></p>	 <p>Focus on core skills.</p> <p><b>Low Risk</b></p>
Compliance Risk	<p>Owned assets compliant with safety &amp; environmental legislation.</p> <p><b>Low Risk</b></p>	<p>Safety &amp; environmental compliance.</p> <p><b>Low Risk</b></p>	<p>Savings on costs of compliance.</p> <p><b>Low Risk</b></p>
Financial Risk	<p>Reduced risk of downtime.</p> <p><b>High Risk</b></p>	<p>Reduced investment. Lower cost per unit (full cost basis).</p> <p><b>Low Risk</b></p>	<p>Improved gearing. Price control.</p> <p><b>Medium Risk</b></p>



# WELDING POSITION



# WELDING ELECTRODES

AS.1 AWS classification	Type of coating	Welding Position	Welding Current
E6010	High cellulose sodium	F,V,OH, H	DC+
E6011	High cellulose potassium	F,V,OH, H	AC,DC+
E6012	High titania sodium	F,V,OH, H	AC,DC-
E6013	High titania potassium	F,V,OH, H	AC, DC±
E6018	Low-hydrogen potassium,iron powder	F,V,OH, H	AC,DC+
E6019	Iron oxide titania potassium	F,V,OH, H	AC,DC±
E6020	High iron oxide	H-Fillet F	AC,DC- AC,DC±
E6022	High iron oxide	F,H-Fillet	AC,DC-
E6027	High iron oxide, iron powder	H-Fillet F	AC,DC- AC,DC±
E7014	Iron powder,titania	F,V,OH, H	AC,DC±
E7015	Low-hydrogen sodium	F,V,OH, H	DC+
E7016	Low-hydrogen potassium	F,V,OH,H	AC,DC+
E7018	Low-hydrogen potassium,iron powder	F,V,OH, H	AC,DC+
E7018M	Low-hydrogen iron powder	F,V,OH, H	DC+
E7024	Iron powder,titania	H-Fillet,F	AC,DC±
E7027	High iron oxide,iron powder	H-Fillet F	AC,DC- AC,DC±
E7028	Low-hydrogen potassium,iron powder	H-Fillet,F	AC,DC+
E7048	Low-hydrogen potassium,iron powder	F,V,OH, H,V-down	AC,DC+

Welding Positions: F=Flat, H=Horizontal, V=Vertical, OH=overhead; (Source: AWS A5.1:2004)



# TUNGSTEN ELECTRODE SELECTION CHART

Tig Mode	Tungsten Type	Colour
AC	Pure	Green
DC or AC/DC	Ceriated 2%	Grey
DC or AC/DC	Lanthanated 1%	Black
DC or ACDC	Lanthanated 1.5%	Gold
DC or ACDC	Lanthanated 2%	Blue
DC	Thoriated 1%	Yellow
DC	Thoriated 2%	Red
AC	Zirconiated 1%	White

## CONVERSION CHART

Length			Weight		Temperature		Speed	
Inches	Decimal	MM	Imperial	Metric	Fahrenheit	Celsius	MPH	KM/H
1/16	0,06	1,59	1/2 oz	15 g	5 °F	-15 °C	5	8
1/8	0,13	3,18	1 oz	29 g	10 °F	-12 °C	10	16
3/16	0,19	4,76	2 oz	57 g	25 °F	-4 °C	15	24
1/4	0,25	6,35	3 oz	85 g	50 °F	10 °C	20	32
5/16	0,31	7,94	4 oz	113 g	100 °F	37 °C	25	40
3/8	0,38	9,53	5 oz	141 g	150 °F	65 °C	35	56
7/16	0,44	11,11	6 oz	170 g	200 °F	93 °C	50	80
1/2	0,50	12,70	8 oz	227 g	250 °F	121 °C	65	105
9/16	0,56	14,29	10 oz	283 g	300 °F	150 °C	80	128
5/8	0,63	15,88	12 oz	340 g	325 °F	160 °C	100	160
11/16	0,69	17,46	14 oz	397 g	350 °F	180 °C	125	200
3/4	0,75	19,05	15 oz	425 g	400 °F	200 °C	150	241
13/16	0,81	20,64	1 lb	453 g	425 °F	220 °C	200	320
7/8	0,88	22,23	1 1/2 lb	680 g	450 °F	230 °C	250	400
1	1,00	25,40	2,2 lb	1 kg	500 °F	260 °C	300	480

# LOCATIONS

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# KARRATHA

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