GRAND WELDING SOLUTIONS LLC

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WELDING | CUTTING | AUTOMATION | INDUSTRIAL SOLUTIONS

Your Trusted Partner in Welding, Cutting & Automation

CORPORATE PROFILE

Welding, cutting & automation — **Authorized APS Welding dealer** and **Honeybee CNC** partner for the GCC.

ABOUT US

Grand Welding Solutions LLC is a Sharjah-based supplier of **welding, cutting and automation** products and services, founded in 2021 by experienced professionals from the welding-supply industry. Premium brands, bulk supply and dependable after-sales service.

Our Mission
Highest-quality products and service that exceed expectations — built on trust, integrity and respect.

Our Vision
The leading service provider for welding & cutting products, known for quality, reliability and service.

Our Philosophy
Sound governance and employee satisfaction nurture long-term relationships.

PRODUCTS & SERVICES

Welding Equipment
APS · Telwin · MIG, TIG, ARC, SAW

Laser & CNC Cutting
Honeybee CNC fiber laser & plasma

Plasma & Gas Cutting
APS Rhino Cut · Hypertherm · Kjellberg

Welding Automation
Rotators, positioners, column & boom

Welding Consumables
SMAW · GTAW · GMAW · FCAW · brazing

Torches & Accessories
Torches, spares, holders, clamps, cable

Cold Cutting & Beveling
Promotech · Kyong Dong · Nodha

Abrasives & Power Tools
Klingspor · Metabo

Safety & Maintenance
PPE, tools, cooling, electrical spares

Service & Installation
Commissioning, repair, 24-hour response

BRANDS AVAILABLE

Kjellberg FINSTERWALDE · Hypertherm · TELWIN · metweld · KLINGSPOR · metabo

GCC BRAND PARTNERS

aps WELDING

Authorized Sales & Service Dealer
APS Welding — Advanced Power Sources Ltd, India
Certificate APS-GWS-2026-001 · see final page

Honeybee CNC

GCC Sales & Service Partner
Fiber laser cutting, laser welding, CNC plasma and cobot welding

Precision. Power. Performance.

RMT — Reliable Motion Technology

Automation, software & custom-machine division of GWS

Automation, Software & Custom Machines

- Industrial Automation
- Process Automation
- IoT & IIoT
- QA/QC Computer Vision
- Custom Machine Design
- PLC Programming
- Panel Wiring & Rewiring
- SCADA & LabVIEW
- Windows PC Software



REGISTERED OFFICE
Sharjah Media City (Shams) Free Zone, Sharjah, UAE · P.O. Box 839

LICENSE DETAILS
Licence No. 2116812.01 (Formation 2116812)
Limited Liability Company · Issued 05-Dec-2021
Sharjah Media City (Shams) Authority

MANAGERS
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APS MIG / MAG WELDING MACHINES

Magnus & Lumina CC/CV multiprocess inverters, wire feeders and trolleys — 250 A to 600 A.

APS Welding — Authorized Sales & Service Dealer for the GCC

Sales, quotations, demonstrations, technical consultation and warranty coordination for APS welding equipment, cutting systems, automation, accessories and consumables.



Magnus 250 CC/CV
3Ph 415 V
250 A @60% · 190 A @100%



Magnus 300 CC/CV
3Ph 415 V
300 A @60% · 205 A @100%



Magnus 400 CC/CV
3Ph 415 V
400 A @60% · 310 A @100%



Lumina 400 CC/CV
3Ph 415 V · DIGICON control
400 A @60% · 310 A @100%



Lumina 600 CC/CV
3Ph 415 V · DIGICON control
600 A @60% · 465 A @100%



SSJ4 Wire Feeder
2-roll · 24 VDC PMDC motor
1.5 – 22 m/min



SSJ11 Wire Feeder
4-roll · 24 VDC PMDC motor
1.5 – 22 m/min



SSJ11-DIGI Feeder
4-roll digital · 24 VDC PMDC
1.5 – 22 m/min



MIG Welding Trolley
For any APS MIG machine
with SSJ4 / SSJ11 feeder

FULL MIG / MAG RANGE

Model	@60%	@100%
Magnus 250	250 A	190 A
Magnus 300	300 A	205 A
Magnus 400	400 A	310 A
Magnus 500	500 A	465 A
Magnus 600	600 A	465 A
Lumina 400	400 A	310 A
Lumina 600	600 A	465 A

MIG/MAG + ARC/MMA · inductance & burn-back control · robot-ready · input 330 – 500 V

APS ARC / MMA, MULTI-OPERATOR & GOUGING

Discover, Genesis, DualArc and **Genesis CAG** — 200 A stick welders to 1200 A gouging power sources.



Discover 200DX
1Ph 230 V · portable site
200 A @60% · 140 A @100%



Discover 250
1Ph 230 V
250 A @60% · 190 A @100%



Discover 300
3Ph 415 V · industrial
300 A @60% · 250 A @100%



Discover 400
3Ph 415 V · heavy industrial
400 A @60% · 300 A @100%



Discover 400 Glory
3Ph 415 V · value model
400 A @60% · 250 A @100%



Genesis Star 400
Pipeline & cellulosic
400 A @60% · 308 A @100%



Genesis 400HD
Heavy duty · Weld-O-Meter
400 A @60% · 310 A @100%



Genesis 600HD
Max-output production
600 A @60% · 465 A @100%



DualArc 600
2 simultaneous operators
300 A × 2 @60% · 230 A × 2 @100%



DualArc 800
2 simultaneous operators
400 A × 2 @60% · 310 A × 2 @100%



Genesis 800 CAG
Gouging + MMA
800 A @60% · 610 A @100%



Genesis 1000 CAG
Gouging + MMA
1000 A @60% · 770 A @100%



Genesis 1200 CAG
Gouging + MMA
1200 A @60% · 930 A @100%

SERIES NOTES

- Discover / Genesis: SMAW
- DualArc: 2 operators, IGBT
- CAG: gouging + MMA, IGBT full bridge, remote current setting
- IP23 · OC / OT / phase-loss protection

APS TIG WELDING MACHINES

DC, pulse and AC/DC TIG — **Discover, Victor, Genesis, Apollo, Storm** — plus TIG peripherals.



Discover 200 TIG
1Ph 230 V
200 A @60% · 155 A @100%



Discover 250 TIG
1Ph 230 V
250 A @60% · 190 A @100%



Discover 300 TIG
3Ph 415 V
300 A @60% · 230 A @100%



Discover 400 Glory TIG
3Ph 415 V
400 A @60% · 280 A @100%



Discover 400 TIG
3Ph 415 V
400 A @60% · 310 A @100%



Victor 250 Pulse
1Ph 230 V · HF + pulse
250 A @60% · 180 A @100%



Victor 300 Pulse
3Ph 415 V · HF + pulse
300 A @60% · 230 A @100%



Genesis 400HD TIG
3Ph 415 V
400 A @60% · 310 A @100%



Genesis 400HD Pulse TIG
3Ph 415 V
400 A @60% · 310 A @100%



Genesis 600HD TIG
3Ph 415 V
600 A @60% · 465 A @100%



Genesis 600HD Pulse TIG
3Ph 415 V
600 A @60% · 465 A @100%



Apollo 400 / 600 Pulse
Weld-O-Meter · password lock
400 A / 600 A @60%



Storm 315 AC/DC
3Ph 415 V · AC/DC pulse
315 A @60% · 230 A @100%



Storm 500 AC/DC
3Ph 415 V · AC/DC
500 A @60% · 385 A @100%



Cold Wire Feeder
Filler-wire feeding for TIG



Water Circulation Unit
1Ph 230 V · 50 L tank



External HF Unit
1Ph 230 V · 400 / 600 A



TIG Brite Weld Cleaner
0 – 16 VAC · electrolyte & neutraliser

TIG FEATURES

- Inbuilt HF start
- Pulse (Victor · Apollo · Storm · Pulse models)
- Pre / post gas flow
- Gas test
- Hot start · arc force
- Dual digital display
- VRD

APS SUBMERGED ARC & WELDING AUTOMATION

Endeavour SAW systems, rotators, positioners, column & boom, SPMs and **WeldVisor IoT**.



Endeavour 1250 CC/CV

SAW · 3Ph 415 V
1250 A @60% · 970 A @100%
Endeavour 1000: 1000 A / 770 A



SAW Welding Tractor

Supplied from power source
1000 A @100% · digital panel



Flux Recovery System

3Ph 415 V · approx. 105 kg
Recovers unfused flux



Welding Rotators

Self-aligning & conventional
Variable speed, adjustable span



Welding Positioners

50 kg – 10,000 kg
VFD speed · motorised / hydraulic tilt



Column & Boom

MIG · TIG · SAW
Vessels, beams, ship parts



Welding Carriage

Mechanised travel
Consistent repeatable welds



Pipe Profile Cutting

Cutting & shaping pipes
Construction · oil & gas



Tube-to-Tube SPM

Special purpose welding
Boilers · heat exchangers



WeldVisor — Smart Welding Supervisor

Browser-based welding software for PC, laptop or mobile. Create, store and analyse project data, welding procedures, real-time welding data, equipment and welder data.

TELWIN WELDING MACHINE RANGE

Telwin range supplied by GWS — **16 models** from compact MMA inverters to industrial MIG/MAG and AC/DC TIG.

TELWIN

Italian welding technology — MMA, TIG, MIG/MAG, spot welding, body repair and battery charging. Supplied with welding accessories and genuine spares.

MMA | TIG | MIG/MAG | Spot | Body repair



Infinity 180
MMA inverter



Tecnica 211/S
MMA / TIG lift · carry case



Technology 236 XT
MMA inverter · XT



Nordika 1800
MMA transformer



Infinity TIG 225 DC
TIG DC



Technology TIG 230 DC
TIG DC



Advance 227 XT MV/PFC VRD
MMA / TIG · multi-voltage



Superior TIG 322 AC/DC Aqua
TIG AC/DC · water-cooled



Mastermig 270/2
MIG/MAG



Mastermig 400
MIG/MAG



Supermig 450i Pack + Trolley
MIG/MAG · 230/400 V



Electromig 400 Synergic
MIG/MAG synergic



PTE 18 LCD
Spot welder



Digital Car Spotter 5500
Body-repair spotter · 230 V



Digital Puller 5500
Dent puller



Leader 400 Start
Battery charger & starter

MIG & TIG TORCHES AND SPARE PARTS

Air- and water-cooled torches with **Euro and Miller** back ends, plus matching consumables — per the GWS catalogue.

MIG Torch — A-Series

Air-cooled · Euro / Miller · parts 20xxx



Specs	M200	M300	M400	M400R
Rating CO_2	200 A	300 A	400 A	400 A
Mixed gas	150 A	320 A	320 A	320 A
Duty cycle	60%	60%	60%	60%
Wire (mm)	0.8–1.2	0.8–1.2	0.8–1.6	0.8–1.6

Spare part	Range
Nozzle · tip	NS nozzles · T-type tips
Holder · diffuser	DS-1 · D-1 · 4322R · 10012
Liner · neck	Steel/Teflon 4.5 m · QT3-45

MIG Torch — B-Series

Air-cooled · Euro · parts 10xxx



Specs	M15FE	M26	M36	M40
Rating CO_2	180 A	290 A	340 A	350 A
Mixed gas	150 A	260 A	300 A	320 A
Duty cycle	60%	60%	60%	60%
Wire (mm)	0.6–1.0	0.8–1.2	0.8–1.6	1.0–2.4

Spare part	Range
Nozzle · tip	Conical · 0.8–1.6 mm incl. Al
Holder · diffuser	M6 / M8 · M26 · M40
Liner · neck	Steel/Teflon 3–4.5 m · swan necks

MIG Torch — E-Series

Air-cooled · Euro · parts 30xxx



Specs	M250	M405	M505
Rating CO_2	225 A	325 A	400 A
Mixed gas	250 A	380 A	450 A
Duty cycle	60%	60%	60%
Wire (mm)	0.6–1.0	0.8–1.6	1.0–1.6

Spare part	Range
Nozzle · tip	Conical · 0.8–1.6 mm incl. Al
Holder	M250 (M6) · M405 · M505 (M8)
Liner · neck	Steel/Teflon 3–4.5 m · swan necks

TIG Torch — T-Series

Air & water-cooled · parts 60xxx / 80xxx



Specs	M9	M17	M18	M26
Cooling	Air	Air	Water	Air
DC / AC	125/100 A	150/125 A	350/270 A	200/150 A
Duty cycle	60%	60%	100%	60%
Electrode	0.5–1.6	0.5–2.4	0.5–4.0	0.5–4.0

Spare part	Range
Ceramic cups	No. 4 · 5 · 7 · 8 · 9 · 10
Collets · bodies	1.6 · 2.4 · 3.2 mm
Back caps · handles	Long / medium / short · with valve

TORCH RANGE

- MIG welding torches
- TIG welding torches
- Water-cooled TIG torches
- Plasma hand-cutting torches

MIG TORCH SERIES

MB15 · MB25 · MB36 · MB40 · MB501D · PSF250 · PSF315 · PSF405 · PSF505

NOZZLES, TIPS, DIFFUSERS, ADAPTERS — COMPATIBLE WITH

Binzel · Panasonic · ESAB · Lincoln · Miller · Tweco

FEEDER DRIVE ROLLS, MOTORS, GUIDE TUBES — COMPATIBLE WITH

ESAB · Lincoln · Kemppi · Miller

ARC ACCESSORIES, REGULATORS & CABLE

Electrode holders, earth clamps, connectors, **CO_2 and argon regulators** and pure-copper welding cable — catalogue specifications.

Electrode Holder — EHSM Series

Thermoset handle · Made in India



Specs	H300	H400	H500	H600
Amps	300 A	400 A	500 A	600 A
Cable	35 mm²	50 mm²	70 mm²	95 mm²
Electrode	2–3.2 mm	4–6.3 mm	5–6.3 mm	6.3–10 mm
Packing	30 pcs	30 pcs	30 pcs	30 pcs
Part no.	80001	80002	80003	80004

CO_2 Regulator with Heater

Heavy duty · heater max 190 W



Specs	36 V	110 V	220 V
Gas / inlet	CO_2 · W21.8-14RH	CO_2 · W21.8-14RH	CO_2 · W21.8-14RH
Outlet · max in	9/16″ · 200 bar	9/16″ · 200 bar	9/16″ · 200 bar
Flow · weight	0–35 L/min · 1.6 kg	0–35 L/min · 1.6 kg	0–35 L/min · 1.6 kg
Part no.	70004	70005	70006

Earth Clamp — Spring Type

Brass jaws · side spring



Specs	E500	E600
Amps	500 A	600 A
Cable	95 mm²	95 mm²
Packing	30 pcs	30 pcs
Part no.	90001	90002

Flowmeter Regulator

MIG / TIG · calibrated at 25 PSIG



Specs	Argon	Material	
Inlet / outlet	W21.8-14RH · 9/16″	Body · cap	Brass
Max in / out	3000 / 80 PSI	Diaphragm	Fabric neoprene
Weight	1.3 kg	Filter	Sintered bronze
Part no.	70011	Flow tube	Lexan

Cable Connectors

American & Euro types



Specs	C500 American	Euro (Dinse)
Rating	400 A · 95 mm²	35–50 to 95–120 mm²
Packing	660 pcs	1 pc
Part no.	90003 M · 90004 F · 90005 pair	Male / female

Welding Cable

Pure copper · orange & black



Insulation	Sizes · 100 m rolls	Technical data	
Single	35 · 70 · 95 · 120 mm²	Rated / test	600 V / 2500 V
Double	35 · 70 · 95 · 120 mm²	Temperature	−30 to +90 °C
Full gauge	16 · 50 mm² also	Flame test	IEC 60332-1

Annealed flexible copper class 5/6 (IEC 60228), NBR insulation; oil, ozone & abrasion resistant. Bend radius 6 × Ø.

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WELDING CONSUMABLES & GAS EQUIPMENT

Electrodes, rods and wires for **carbon steel to nickel alloys**, tungsten electrodes and oxy-fuel apparatus.

FILLER METAL SELECTION

AWS CLASSIFICATIONS

Process	Form	Carbon & low-alloy steel	Stainless steel	Duplex / super duplex	Nickel alloy
SMAW	Stick electrodes	E7018 · E7018-1 · E6013	E308 · E316 · E309 · E309LMo	E2209 · E2594	ENiCrMo-3
GTAW	TIG filler rods	ER70S-6	ER308 · ER316 · ER309 · ER309LMo	ER2209 · ER2594	ERNiCrMo-3
GMAW	MIG solid wire	ER70S-6 · ER100S-G	ER308 · ER316 · ER309	—	—
FCAW	Flux-cored wire	E71T-1C · E71T-1 / 9C-J	E308LT1-1/4 · E316LT1-1/4 · E309LT1-1/4	E2209T1-1/4	ENiCrMo-3T1-4

QUICK APPLICATION GUIDE

E7018 / E7018-1	Low-hydrogen, structural & pressure work; -1 for improved impact toughness	**E6013**	General-purpose rutile, sheet and light fabrication
ER70S-6	Carbon steel MIG/TIG, higher Si/Mn for mill-scale tolerance	**308 / 316 / 309**	Austenitic stainless; 309 / 309LMo for dissimilar & overlay
2209 / 2594	Duplex and super-duplex stainless steels	**NiCrMo-3**	Alloy 625 type — Inconel, dissimilar & corrosion-resistant overlays

TIG TUNGSTEN ELECTRODES

Pure	AC — aluminium & magnesium
Thoriated 2%	DC — steel & stainless
Ceriated 2%	AC/DC — low-amp, easy arc start
Lanthanated	AC/DC — long life, all-round

GAS WELDING & CUTTING APPARATUS

- Gas cutting torches
- Regulators — oxygen, acetylene, nitrogen, argon, CO_2
- Flowmeters · portable gas cutting carriages
- Flashback arrestors · TIG foot pedals & remotes
- Cutting nozzles — 101 · GPN · ANME · PNME



VICTOR · UNIWELD · HARRIS



CONSUMABLE BRANDS

Welding electrodes (SMAW)	Sulfi · Kiswel · Superon · Stanvac · Sandvik
Flux-cored wire (FCAW)	Metweld · Gold · Techweld · Hexaweld
MIG / solid wire (GMAW)	Gold · Techweld
Tungsten electrodes (TIG)	Techweld

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Quality • Safety • Service

PLASMA CUTTING & CONSUMABLES

APS Rhino Cut plasma power sources and genuine & compatible **Hypertherm / Kjellberg** consumables.



Rhino Cut 100
3Ph 415 V · air-cooled
Light – medium cutting



Rhino Cut 160
3Ph 415 V · air-cooled
160 A @60% · 125 A @100%



Rhino Cut 200
3Ph 415 V · air-cooled
200 A @60% · 155 A @100%



Rhino Cut 300
3Ph 415 V · air-cooled
300 A @60% · 231 A @100%



PLASMA CONSUMABLES

Electrodes
Plasma cutting electrodes

Nozzles
Plasma cutting nozzles

Shield cups
Plasma shield cups

Swirl rings
Plasma swirl rings

Hand-cutting torches
Plasma hand torches

Torch parts
Bodies, handles, hoses

GENUINE & COMPATIBLE FOR

Hypertherm · Kjellberg · Maxcut (China) · Thermal Dynamics · Miller · Telwin

RHINO CUT SERIES

- IGBT inverter, stable arc, clean cut with minimal slag
- OC / OT / UV / OV protection
- Max cutting current 300 A
- CNC-compatible for gantry cutting

BRANDS

APS WELDING · Hypertherm · Kjellberg FINSTERWALDE

APPLICATIONS

Steel fabrication · Shipbuilding · Pressure vessels · Pipelines · CNC profile cutting · Mild steel · Stainless · Aluminium

HONEYBEE CNC — LASER, PLASMA & COBOT

Fiber laser cutting from **1 kW to 80 kW**, pipe lasers, CNC plasma and collaborative welding.

Honeybee CNC

Honeybee CNC — GCC Sales & Service Partner

Fiber laser cutting, pipe lasers, CNC plasma / oxy-fuel and cobot welding — supplied, installed and serviced by GWS.

Laser cutting · Laser welding · CNC plasma · Cobot welding

CLOSED EXCHANGE-TABLE LASER

HN-H6025 · enclosed



Laser	3 – 30 kW
Table	2500 × 6000 mm, exchange
Mild steel	0 – 40 mm

OPEN SINGLE-TABLE LASER

Sheet & plate



Laser	1 – 20 kW
Sizes	1500×3000 – 2500×12000 mm
Mild steel	10 – 40 mm

GANTRY FIBER LASER

Heavy plate



Laser	10 – 80 kW
Size	up to 3000 × 12000 mm
Mild steel	20 – 45 mm

PIPE + PLATE LASER

HNX-160 / 210 / 300



Pipe Ø	160 / 210 / 300 mm
Accuracy	±0.05 mm/m
Laser	1 – 6 kW

COBOT WELDING MACHINE

Collaborative welding cell



Arm span	1460.7 mm
Payload	6 kg
Source	Megmeet Artsen EVO 500HPR

MINBEE PORTABLE CNC

Plasma & oxy-fuel



Work area	1500 × 3000 mm
Plasma	0 – 30 mm (300 A)
Flame	up to 80 mm · THC

CNC CONTROLS & REMOTES

Fangling controllers · F1510 wireless handset



- Controller supply, wiring & commissioning
- Wireless remote for torch & jog control

ALSO FROM HONEYBEE CNC

Handheld laser welder	HN-W1500 – W6000 · 0.3 – 18 mm
H-beam & pipe laser	Round 50 – 400 mm · square 40 – 400 mm
CNC plasma tables	1500×3000 / 2000×4000 mm · 0 – 25 mm
Software	CypCut control · FastCAM / StarCAM nesting

COLD CUTTING, BEVELING & ABRASIVES

Promotech, Kyong Dong, Nodha machines for weld preparation, plus **Klingspor** abrasives and **Metabo** power tools.

MAGNETIC DRILLING
Promotech · Poland

- Annular cutters & twist drills
- Tapping & countersinking

STATIONARY BEVELING
Kyong Dong · Korea

- V, X and K-type weld preps
- Cold — no heat-affected zone

BANDSAW MACHINES
Kyong Dong · Korea

- Bar, pipe & profiles, mitre cuts
- Hydraulic feed & vice

SPLIT-FRAME CUT & BEVEL
Nodha · China

- In-line pipe, on site
- Pneumatic / hydraulic / electric

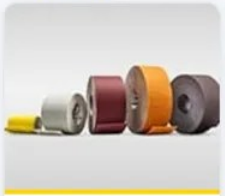
GWS TOOLS — HSS TAPS
M12 × 1.75 · 3-piece set



- High-speed steel
- Durable case

KLINGSPOR | ABRASIVES

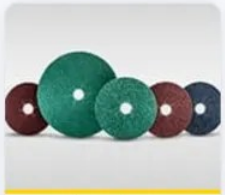
Cutting, grinding, finishing & polishing



Rolls



Belts



Fibre discs



Flexible abrasives



Mop discs



Cutting-off wheels



Grinding discs



Diamond blades



Carbide burrs

metabo | PROFESSIONAL POWER TOOLS

Cordless 18 V LTX · Combination hammers · M-Brush grinders



KH 18 LTX 24
Cordless hammer



KH 18 LTX BL 24 Q
Brushless hammer



KHE 2445
Combination hammer



WE 19-125 Q M-Brush
Angle grinder



WEPBA 19-125 Q DS
Angle grinder

SAFETY, MAINTENANCE & SUPPORT

Protective equipment, maintenance tools and spares — backed by **installation, service and training**.

PROTECTIVE GEAR



- Welding helmets & face shields
- Welding gloves, jackets & aprons
- Safety glasses

Part no.	Description
90201	Welding helmet, flip-front

MAINTENANCE TOOLS



- Cleaning brushes & tip cleaners
- Wrenches & spanners

Part no.	Description
90301	Chipping hammer 350 g
90302	Chipping hammer 500 g
90303	Chipping hammer 700 g

GAS HOSE & IGNITION



- Twin hose, red & green / blue
- Gas lighters

Part no.	Description
90101–103	Twin hose ¼″ · 5⁄16″ · ⅜″ · 100 m
90401 / 402	Lighter — triple flint / circular

COOLING & ELECTRICAL SPARES

- Coolant for water-cooled torches
- Coolant pumps & filters
- Fuses, switches & contactors
- Indicators & pilot lights
- Cables, glands & terminals



Service support for all major welding, cutting & CNC equipment

Installation
Welding machines, CNC tables, gas lines

Repair & Service
Inverters, feeders, torches, CNC

24-hour response
Fast technical support

Spare Parts
Genuine & compatible stock

Preventive Maintenance
Scheduled checks & calibration

Training
Operators & maintenance teams

WE SUPPORT: APS Welding · Honeybee CNC · Telwin · ESAB · Lincoln · Miller · Hypertherm · Kjellberg · Fangling

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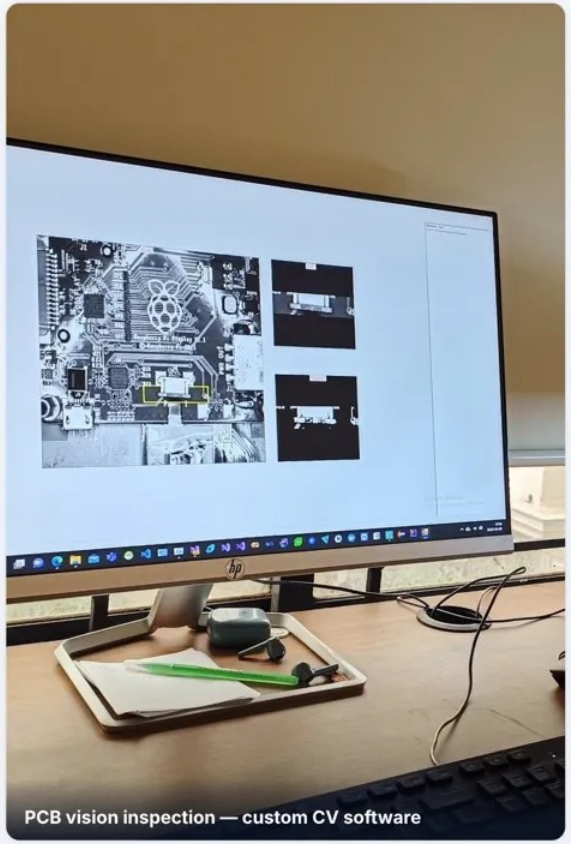
AUTOMATION & SOFTWARE SOLUTIONS

RMT — RMT — Reliable Motion Technology
Automation & software division of GWS

OUR SERVICES

- **Industrial Automation**
  Machine & line automation — sensors, actuators, motion, safety.
- **Process Automation**
  Sequencing, alarms, recipes and data logging.
- **IoT & IIoT**
  Connected controllers, edge devices and dashboards.
- **QA / QC Computer Vision**
  Presence, position, pin height, OCR, measurement.
- **PLC & Embedded Programming**
  PLC, HMI, motion and microcontroller firmware.
- **Panel Wiring & Rewiring**
  Panel build, rewiring, documentation, testing.
- **SCADA & LabVIEW**
  Supervisory control, test benches, DAQ.
- **Custom Windows PC Software**
  Inspection HMIs, reports, device integration.

What we offer: machine-vision and automation systems for inspection, optical quality control, object detection and metrology.



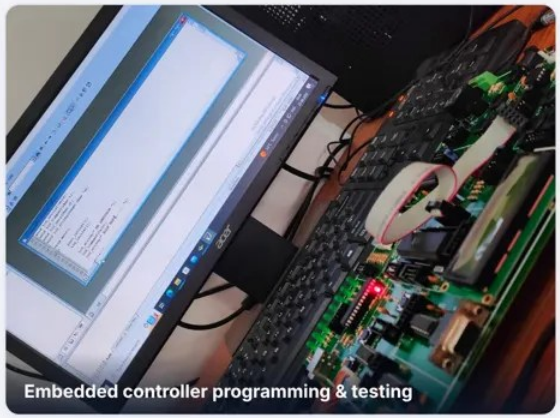
PCB vision inspection — custom CV software



47-way connector inspection machine



16-way connector: pin height & position OK / NG



Embedded controller programming & testing

VISION & SOFTWARE TECHNOLOGIES

KEYENCE | COGNEX | HALCON (a product of MVTec) | OpenCV

LabVIEW | SCADA | PLC & HMI | .NET / C# | Machine vision cameras



RMT engineers — controller development & testing

Sharjah Media City (Shams), Sharjah, UAE · P.O. Box 839 | www.grandws.com | admin@grandws.com | sales@grandws.com | +971 585 211 966 | +971 50 651 4376

Reliable Motion Technology

INDUSTRIES & APPLICATIONS

RMT — Reliable Motion Technology
Automation & software division of GWS

Electronics

Vision and AOI software for quality control, part identification and traceability — from components to finished PCB assemblies.

APPLICATIONS

- Fiducial finding
- Bent-pin inspection
- Component code & presence verification
- Surface-mount placement & alignment
- Solder inspection
- Shorts, voids, opens & misalignment
- Automated optical inspection (AOI)

Automotive

Inspection of parts, components and sub-assemblies on automotive production lines, including connectors and harnesses.

APPLICATIONS

- Product traceability
- Bent-pin / connector inspection
- Presence verification
- Barcode, ID & data-matrix reading
- Label reading & checking
- Gauging & measurement
- Error-proofing of assembly

Food & Beverages

High-speed inspection for food processing, printing and packaging lines.

APPLICATIONS

- Bottle fill-level inspection
- Packaging measurement
- Damaged carton detection
- Rigid container inspection
- Colour inspection
- Date, lot & part-number verification
- Label verification

Medical & Pharmaceutical

Quality-control vision for medical-device and pharmaceutical manufacturing, rejecting defects at the point of manufacture.

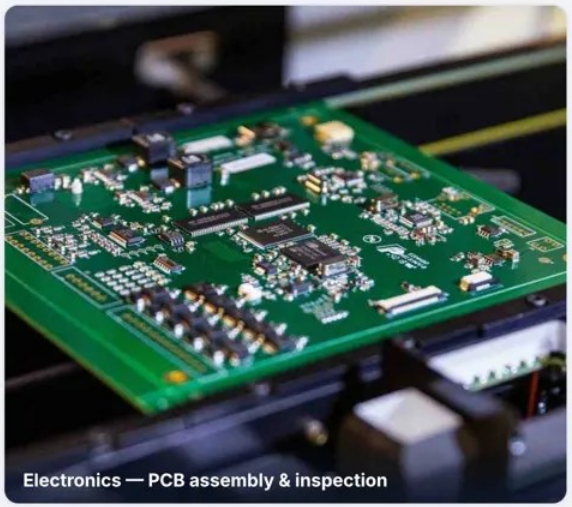
APPLICATIONS

- Needle-point quality
- Product defect detection
- Tablet inspection
- Feature presence verification
- Particle & cosmetic inspection
- Dimensional inspection

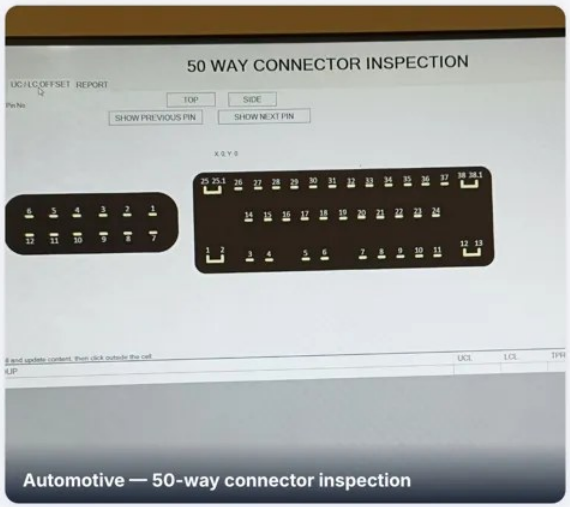
OUR CAPABILITIES

- Automation conveyors — belt & chain
- Robot & cobot integration
- Laser systems integration
- Pick-and-place, multi-axis servo / stepper
- Machine vision & integration
- PC & PLC control systems
- Rotary-table based machines
- Precision tooling & fixtures
- Factory automation

Equipment and engineering services built around each customer's requirement — responsive, quality-focused and value-driven.



Electronics — PCB assembly & inspection

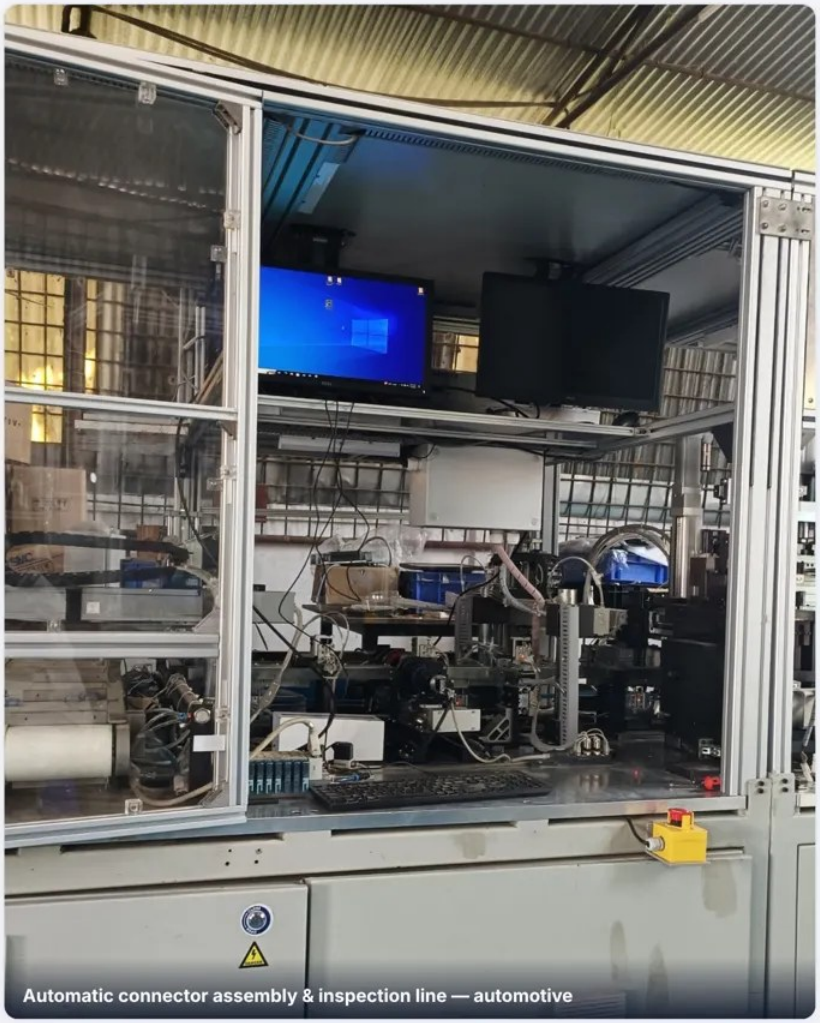


Automotive — 50-way connector inspection

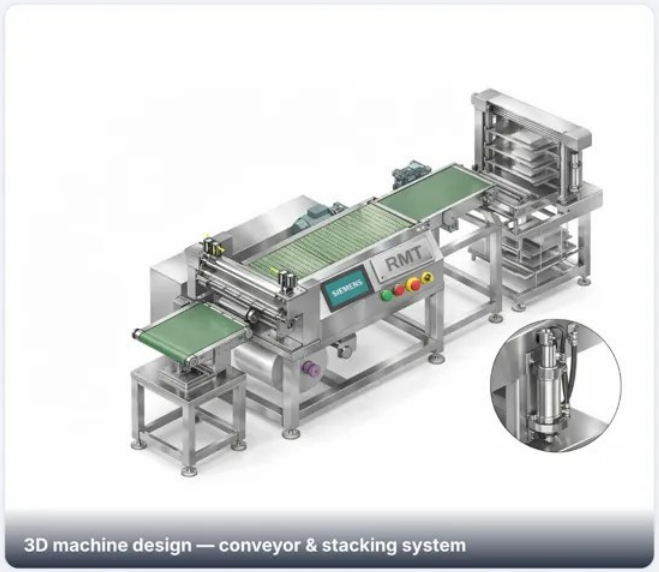
CUSTOM MACHINE DESIGN & ENGINEERING

RMT — RMT — Reliable Motion Technology
Automation & software division of GWS

Requirement › Design & review › Fabrication › Controls & software › Testing & FAT › Install & train



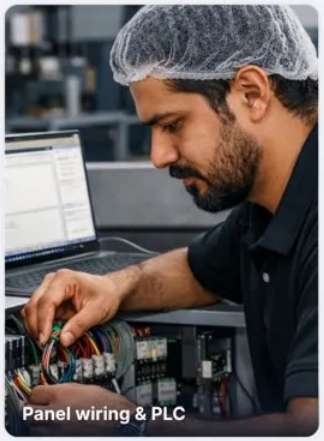
Automatic connector assembly & inspection line — automotive



3D machine design — conveyor & stacking system



Servo & gearbox integration



Panel wiring & PLC

DESIGN & FABRICATION

Experienced designers and machinists for industrial machinery. Every project follows product, process and design failure-mode analysis (DFMEA / PFMEA), and 3D CAD modelling produces accurate designs — fewer errors and shorter lead times.

FACTORY AUTOMATION

Equipment and customised solutions for industrial automation projects under one roof — conveyors, pick-and-place, rotary tables, vision stations and retrofits of existing machines.

WHY GWS · RMT?

- In-house design team
- Fabrication & machine shop
- Assembly & electrical
- Software & support team
- Vision solution development
- Dedicated service support

APS AUTHORIZED DEALERSHIP

Official certificate — **Grand Welding Solutions LLC** is an Authorized Sales & Service Dealer of APS Welding.



aps WELDING

Certificate of Authorized Dealership

Grand Welding Solutions LLC
Sharjah, United Arab Emirates
Authorized Sales & Service Dealer

AUTHORIZED FOR

- APS welding equipment
- Cutting systems
- Welding automation solutions
- Accessories & consumables

CERTIFICATE DETAILS

Certificate no.	APS-GWS-2026-001
Issued	10 April 2026
Issued by	Advanced Power Sources Ltd
Place	Valsad, Gujarat, India