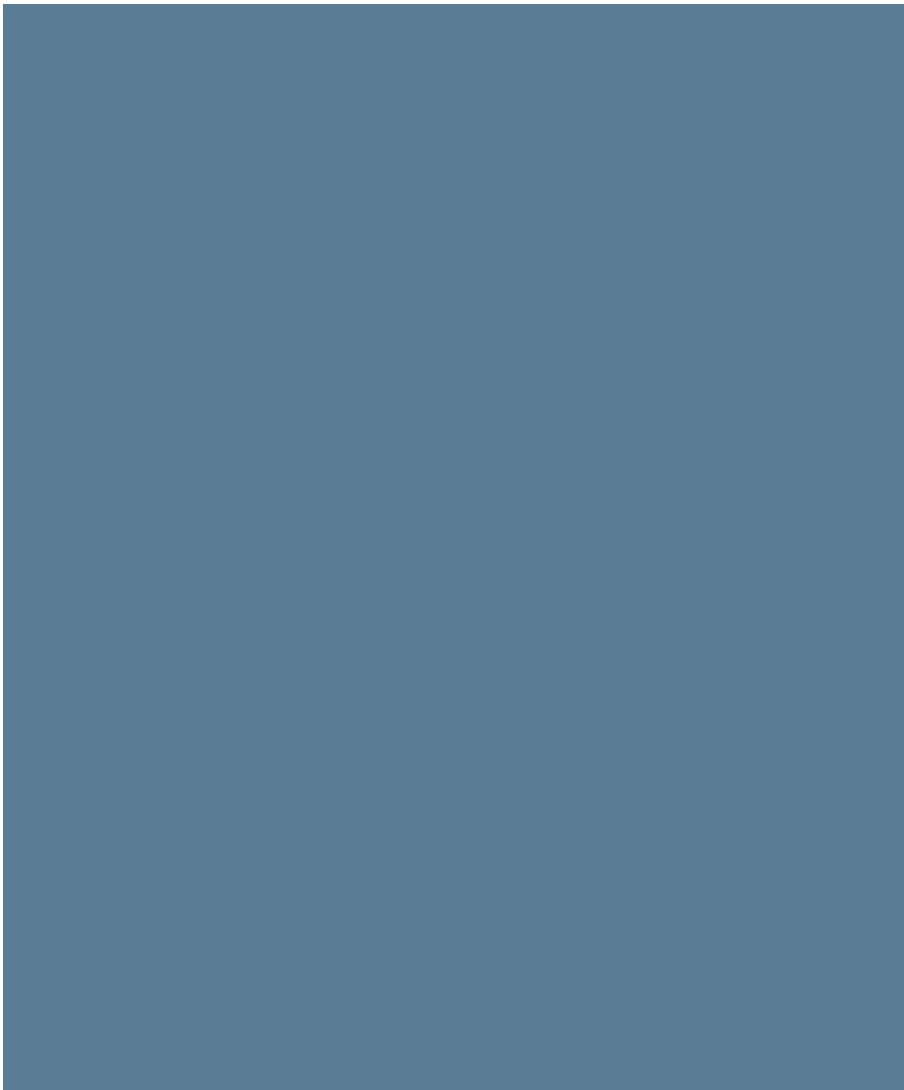




INDUSTRIAL SOLUTIONS DIVISION



QUALITY MARINE & INDUSTRIAL SOLUTIONS





Middle East Fuji LLC

Middle East Fuji LLC is a subsidiary company of Fuji Trading Co., Ltd. Japan and is among the leading Marine supply, Engineering & Industrial products / services provider in the Middle East. We represent various leading manufacturers of Marine & Industrial products as agent & distributors worldwide.

Facilities & Services

- Head office & main warehouse (over 45,000 Sq Feet) located in Al-Quoz Industrial Area Dubai.
- Equipment Sales & Rental.
- Stock of wide range of Industrial Equipment and Spare Parts.
- Engineering division is located at Dubai Industrial Park.
- Branch offices at Abu Dhabi, Fujairah, Ras Al Khaimah, Doha, Muscat and Salalah.
- Over 100 skilled & experiences staff.
- We comply with ISO 9001-2008 standard with total computerized operation (ERP Solution).
- Availability of Training room & repair facility.
- Own Fleet of transporting trucks.



We work hard to meet our customers expectations, and to keep it consistent by implementing international management standards which reflect our keen to perfection.



QUALITY

RELIABILITY

INTEGRITY

MEF's Vision is to 'Be the Best Service Provider in the Region', as measured by Customer Satisfaction, Quality of Service, Financial Profitability, Growth and high standards of Health & Safety.

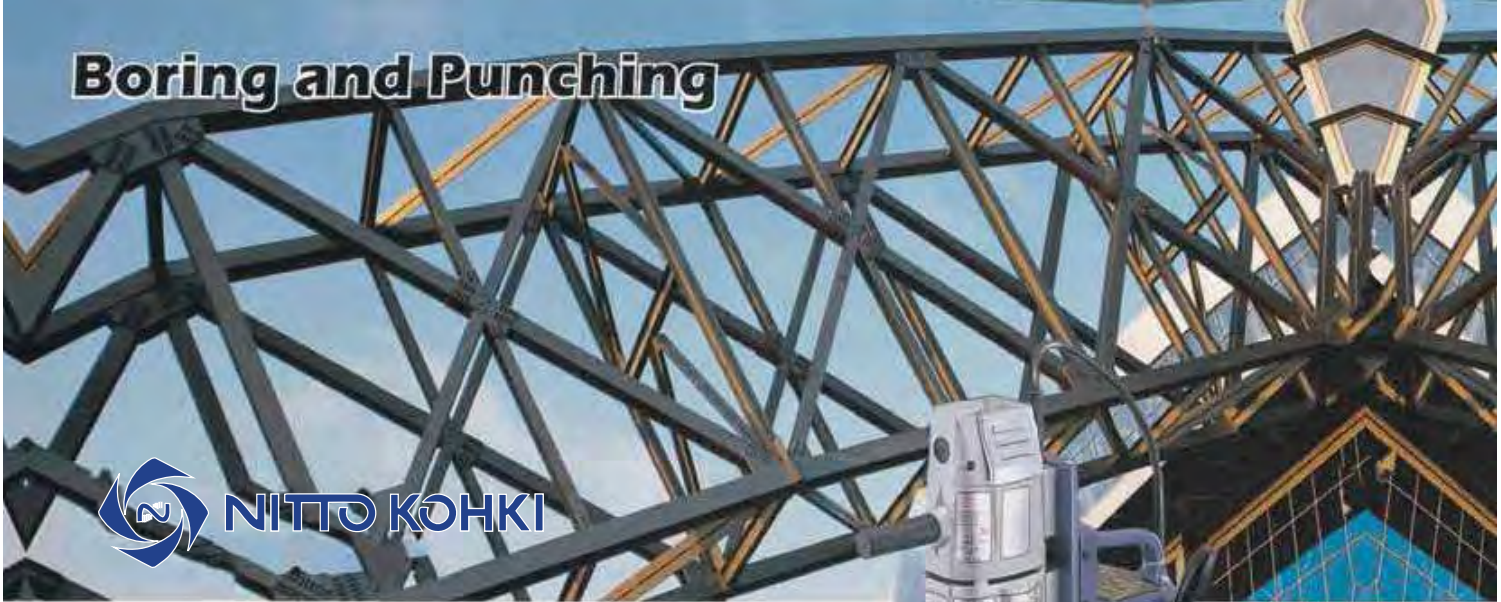
We represent various reputed manufacturers of quality industrial equipment. With a team of factory trained sales engineers & technicians we support our customers both on site & at our facilities with sales & rental fleet of equipment.



Our team of well trained Sales Engineers, Service Technicians are always available to bring customized Engineering Solutions to suit unique application needs of our customers.



Boring and Punching



Durable Japanese Made Machines

Portable Magnetic Drilling & Boring Machines made to suit GCC work and climate conditions!

- One-touch cutter replacement
- Coolant into the Heart of the cut
- Built-in motion sensor
- Fail-safe restart
- Magnet open-circuit sensor
- Slow start mechanism
- Auto-feed
- Load sensor
- Variable speed
- Cycle stop
- Overload stop



Very fast mounting and removing of cutters, with all sizes of cutters available.



Model	QA-4000	QA-6500	WA-3500	WA-5000	AO-5575	WOJ-3200	A-100	LO-3550
	Full Automatic		Automatic			Manual		
Power source (Single Phase)	220-240VAC, 50/60 Hz							
Power Consumption	Watt 680	1,010	1,100	1,150	1,150	950	1,600	800
Electric Drill No Load Speed	RPM 750	400/750	950	350/650	350/650	870	330	950
Magnet Power Consumption	Watt 50	75	34	75	50	70	35	35
Max. Cutting Capacity	Hole Dia. mm 40	65	35	50	55	32	100	35
	Plate Th. mm 35	50	35	75	75	50	75	50
Magnet Holding Power	N 6,664	9,800	7,056	9,800	10,000	9,000	17,640	5,500
Overall Dimensions WxDxH	mm 215 x 407 x 535	215 x 455 x 535	237 x 409 x 535	237 x 425 x 613	86 x 296 x 611	99 x 318 x 361	318 x 705 x 575	65 x 316 x 280
Magnet Dimensions WxD	mm 82 x 172	100 x 200	92 x 216	101 x 201	86 x 170	99 x 177	130 x 256	65 x 145
Weight	Kg 18.5	26	20	23	18	13	50	8.7



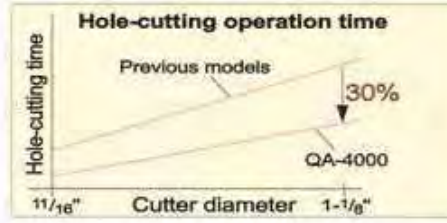


Quick Autos : Reduce Drilling Time!

Because of Nitto's automatic-feed mechanism, total drilling time is 30% less than older style manual feed magnetic drills. Our automatic drills constantly monitor resistance on the cutter and adjust feed rates accordingly. Ultimately holes are cut as quickly and efficiently as possible while maintaining cutter life.

Optional One-Touch Adapter

Optional one touch adapter allows the use of up to 13mm twist drills to be used in the original arbor.



QA-4000

Features/Model	QA-4000	QA-6500	WA-3500	WA-5000	AO-5575	WOJ-3200	A-100	LO-3550
Overload Stop	✓	✓	✓	✓	✓	✓	✓	✓
One-touch Cutter Replacement	✓	✓	✓	✓	✓	✓	✓	✓
Fail-Safe Restart	✓	✓	✓	✓	✓	✓	✓	✓
Magnet Open-Circuit Sensor	✓	✓	✓	✓	✓	✓	✓	✓
Integrated Cooling Tank	✓	✓	✓	✓	✓	✓	✓	✓
Built-in Motion Sensor	✓	✓	✓	✓	✓	✓	✓	✓
Slow Start Mechanism	✓	✓	✓	✓	✓	✓	✓	✓
Automatic Feed	✓	✓	✓	✓	✓	✓	✓	✓
Variable Speed Adjustment	✓	✓	✓	✓	✓	✓	✓	✓
Cycle Stop	✓	✓	✓	✓	✓	✓	✓	✓
Auto Return	✓	✓	✓	✓	✓	✓	✓	✓

The tiniest portable magnetic boring machine ever made!



LO-3550

Optional Chip Breaker



Portable Hydraulic Puncher



New design adopted for punching steel, stainless steel. Punching round or elongated holes on steel plates, H-beam steel, framework, and on-site punching holes on shaped steels.



12 sec. for one hole!



HS11-1624

HA11-1624



E55-0619

- Portable punchers and pumps are ideal for on-site punching.
- Full punching cycle is automated after the start button is depressed.
- Inching function (manual operation) is also available.
- Full punching cycle is automated after the start button is depressed.
- An emergency switch stops the punch instantly at any time.
- A special urethane spring is built-in to return the punch.
- Hydraulic pump and power-motor combination in a simple body for outstanding workability.
- No hydraulic hose, extremely small mounting space exactly fits the needs of worksite.

Model	HANDY SELFER				SELFER ACE			
	E25-0615	E55-0619	HA06-1322	HA07-1624	HA11-1624	HS06-1322	HS07-1624	HS11-1624
Max. Throat Depth	mm 25	55	60	70	110	60	70	110
Max. Punching Capacity	Th. mm	6	13	16	16	13	16	16
	Dia mm	15	19	22	24	24	22	24
Punching Time	Sec	4	2	10.5	16.5	16.5	7.9	11.8
Return Time	Sec	4	2	-	-	-	3.4	5.7
Ram Stroke	mm			21	25	25	21	25
Weight	kg	7	14	21.5	28.5	35.5	20.5	25.5
Power Source	1ph	220-240VAC, 50/60		Single Acting Hydraulic Pump			Double Acting Hydraulic Pump	
Motor Power	w	305	670					



SC-05 Single Acting Hydraulic Pump



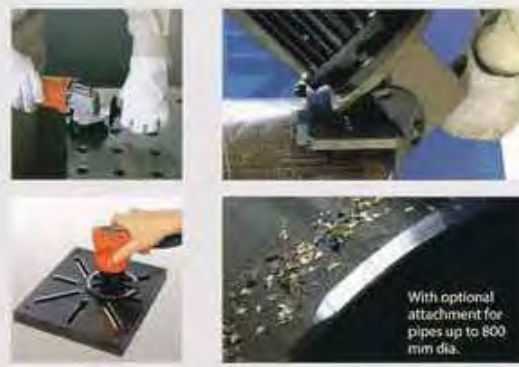
HPD-05 Double Acting Hydraulic Pump

Model	HPD-05	SC-05
Power Source	1ph	115v/230VAC 50 Hz
Acting Mode	Double	Single
Max. Output Pressure	bar	686.5
At No Load	L/min	1.2
Motor	Watt	400
Reservoir Capacity	L	4
Weight	kg	32.5

Portable Chamfering Tools



Superior cold cut bevelling for straight, round, and orbital edges by portable, lightweight, and durable tools.



With optional attachment for pipes up to 800 mm dia.



Model		HAND BEVELER			CIRCUIT BEVELER	
		HB-158	EMB-03078	MB-03A	ECB-0203	CB-02
Power Source	50/60Hz	1PH, 220-240 vac				
Rated Power Consumption	Watt	910	1,010	430	450	0.4m ³ /min @5.9 bar
Chamfering Capacity	Mild Steel	0C-15C	0C-7C, 2R, 3R, 4R	0C-3C, 2R, 3R	0C-3C, *2R, *3R	0C-2C, 2R
	Stainless Steel	-	0C-3C, 2R, 3R, 4R	-	0C-1.5C, *2R	-
Chamfer Angle		15°-45°	15°-45°	45°	45°	45°
Weight	kg	15	3.9	2.5	2.5	1.8
Remarks			Available in Pneumatic type			

DELVO

Electric Screw Drivers

Nitto Kohki's "Delvo" Electric Screwdrivers are high-quality tools for professional use, with special emphasis on precision torque control and long life.

They always apply just the correct amount of torque with accurate and positive control at your fingertips. They are smooth and shockless in operation too, with eco-friendly Brushless motor.



AIR SONIC

Pneumatic Die Grinders

Ergonomically designed pneumatic die grinders, work on all metals, wood, and plastics, even extremely hard and exotic materials.



Model		L-25B	L-35C	AL-55
Rated Air Pressure	Bar	6	6	6
Air Consumption (No Load)	m ³ /min	0.4	0.35	0.17
Free Speed	rpm	27,000	37,500	56,500
Size of Collect Chuck	m/m	6	6	3
Hose Size	inch	1/4	1/4	1/4
Weight	kg	0.6	0.45	0.25

Surface Cleaning



Full Automatic System

The only unit of its kind on the market without springs. This means no springs to break...no irregular power... and the advantage of low air consumption.

Shot Peening Effect

Reinforcement of the deteriorated part by shot peening effect. Increase the strength through imparting a residual stress to the surface of a workpiece by high speed tapping of the needle punch. Most suitable for a reinforcement of deteriorated parts in the welder.



JET CHISELS



Powerful scaling with multi-needles.

Removal of spatter after welding, rough chipping concrete and stone slabs, work similar to sand blasting and shot blasting of castings and painted finishes, chipping welding slag, removing paint and rust from panels and sheet metal, and removal of other encrusted materials.



Model		JT-20	JC-16	JEX-24	JEX-28
Rated Air Pressure	Bar	6	6	6	6
Air Consumption (No Load)	m ³ /min	0.2	0.15	0.27	0.35
Stroke Speed	rpm	4,000	4,000	4,000	4,500
Needles	mm	OD 3 x 180 (12pcs.)	OD 2 x 150 (29pcs.)	OD 2 x 180 (23pcs.)	OD 3 x 180 (28pcs.)
Hose Size	inch	3/8	3/8	3/8	3/8
Weight	kg	2.4	1.4	2.7	3.5

Model		EJC-32A	
Power Source	1 PH	115 V AC 60 Hz	230 V AC 50 Hz
Power Consumption	W	300	
Rated Current	A	2.8	1.4
Stroke Speed	min-1	3,000	
Needles	mm	OD 3 x 180 (15 pcs.)	
Power Cord	m	5	
Weight	kg	4.5	

- Jet Chisel needles adjust to any surface contour automatically. They get deep into corners, all the way into uneven surfaces, and all types of curvatures.
- Hard steel needles blow at stroke speed of 4,000 - 4,500 per minute. (Pneumatic scaler)
- Side handle can be turned to any position in accordance with job positions. (Electric scaler)

AIR CHIPPER

Chipping after welding is EASY!

- Suitable for chipping after welding and removing solid substances adhered to the works at job sites.
- Easy chisel replacement is made to excellent operation.
- The straight grip-to-chisel design is suitable for operation in narrow or secluded area.

Model		ACH-16	CH-24
Rated Air Pressure	Bar	6	6
Air Consumption (No Load)	m ³ /min	0.15	0.2
Stroke Speed	min-1	6,000	4,000
Size of Chisel Shank	mm	OD 10.5	12.7 WAF*
Hose Size	inch	3/8	3/8
Weight	kg	0.9	1.7

*WAF stands for width across flat.



Grinding and Sanding



BELTON

Pneumatic Belt Sanders

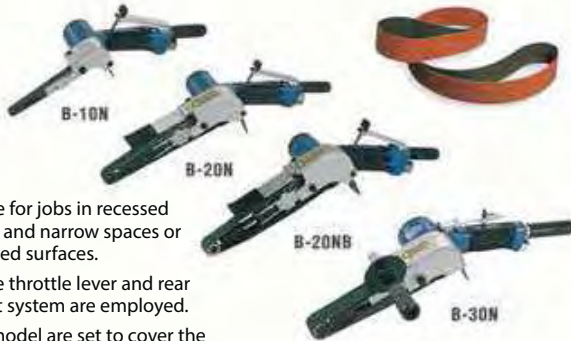


MYTON

Pneumatic Sanders

The most versatile belt sander ever developed!

Bear grind-off, casting finish, furniture surface finish, plastic products profile adjustments, mold sanding & adjustment, spot weld head-off finish, die-cast finish, stamped sheet metal trimming & chamfering, and iron parts surface sanding.



- Suitable for jobs in recessed corners and narrow spaces or on curved surfaces.
- Fail-safe throttle lever and rear exhaust system are employed.
- Three models are set to cover the applicable sizes, 10, 20, 30 mm of the belt width.

Model		B-10N	B-20N	B-20B	B-30N
Rated Air Pressure	Bar	6	6	6	6
Air Consumption (No Load)	m ³ /min	0.4	0.52	0.52	0.68
Motor Free Speed	rpm	17,000	17,000	17,000	14,000
Belt Speed	m/min	1,120	2,620	2,620	2,160
Belt Size	mm	10x330	20x520	20x520	30x540
Hose Size	inch	1/4	1/4	1/4	1/4
Weight	kg	0.7	1.7	1.7	2.4

High performance yet quiet sanding.



Good for all kinds of sanding jobs especially in limited spaces or those require high sanding performance.

- Uses one-touch disc pads (MAS-20B)
- Ideal for sanding in tight spots (MAS-20B)
- High performance sander good with disc paper (MAS-40)

Model		MAS-20B	MAS-40
Rated Air Pressure	Bar	6	6
Air Consumption (No Load)	m ³ /min	0.4	0.45
Motor Free Speed	rpm	22,000	13,000
Abrasive Disk		OD 1", OD1-1/2" and OD 2"	OD 100 mm
Hose Size	inch	1/4	3/8
Weight	kg	0.5	0.9

MYTON

Pneumatic Grinders

Deburring, cleaning and smoothing jobs typical at fabrication shops, foundries, refineries, shipyards, power plants and a variety of sites for other industries.

- All models are angle type mighty grinders with silencer.
- Available for light-duty to heavy-duty range of grinding work.



Model		MLG-25	MLG-40	MAGW-40	MAG-50	MAG-70
Rated Air Pressure	Bar	6	6	6	6	6
Air Consumption (No Load)	m ³ /min	0.42	0.45	0.68	0.87	0.75
Free Speed	rpm	19,000	13,000	13,000	12,000	7,600
Depressed Center Wheel	mm	OD 58	OD 100	OD 100	OD 125	OD 180
Hose Size	inch	1/4	3/8	3/8	3/8	3/8
Weight	kg	0.6	1.5	1.55	2.2	2.45

POWER TOOLS

AUTO CHISEL - AIR HAMMER



A-100



More chisel shapes are also available

Enable the work to be done in narrow space where ordinary hammering work is impossible. The respective parts employ high material and are subjected to high precision process. Stroke speed 2,600 stroke/min and weight is 1.7 kg.



Pneumatic Hacksaw, with Special double-piston system achieves low vibration, with a stroke of 11 mm, speed of 7,000 stroke/min, and weight of 0.6 kg!



AIR DRILL



Pneumatic hand drill with Built-in silencer, reversible rotation switch, and variable speed adjustment.

Model		ADR-65	ADR-100
Rated Air Pressure	bar	6	6
Air Consumption (No Load)	m ³ /min	0.55	0.67
Free Speed	rpm	2,900	2,000
Max. Drilling Capacity	mm	6.5	10
Weight	kg	0.8	1.1

SUPER KELEN

Pneumatic scaler, achieves labor savings in industrial, shipboard descaling and cleaning jobs.

- Removes solid substances such as rust and concrete adhered to mixer panels.
- Employ idle running proof structure with 2,500 rpm stroke high speed.
- Three types of bar length are available in accordance with applications.



Model		S-250	S-500	S-1000
Rated Air Pressure	Bar	6	6	6
Air Consumption (No Load)	m ³ /min	0.27	0.27	0.27
Stroke Speed	min-1	2,500	2,500	2,500
Size of Chisel Shank	mm	OD 12.7	OD 12.7	OD 12.7
Hose Size	inch	3/8	3/8	3/8
Dimension	mm	OD 630x49	OD 890x49	OD 1370x49
Weight	kg	4.1	4.7	6.1

TIGON

Improves work safety and efficiency.

Retractors Sizes

Model	RW-0	TW-1R	RW-3	RW-5
Capacity (kg)	0.5-1.5	0.5-1.5	1.0-3.0	2.5-5.0
Stroke (m)	2	1.5	2	2
Weight (kg)	0.50	0.40	0.70	0.90

Spring Balancers Sizes

Model	TW-00	TW-0	TW-3	TW-5	TW-9	TW-15	TW-22	TW-30	TW-40	TW-50	TW-60	TW-70
Capacity (kg)	0.5-1.5	0.5-1.5	1.0-3.0	2.5-5.0	4.5-9.0	9.0-15.0	15.0-22.0	22.0-30.0	30.0-40.0	40.0-50.0	50.0-60.0	60.0-70.0
Stroke (m)	0.5	1	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5
Weight (kg)	0.50	0.60	1.60	1.70	3.90	4.30	8.10	8.70	10.60	11.30	12.20	12.70

Retractors



Spring Balancer



Pipe Cutting Equipment



GF 6



GF 4



Cutting and beveling:

- high-alloy steel (stainless steel)
- low-and unalloyed steel
- plastics
- casting materials and
- non-ferrous metals

in just seconds, using the "Planetary Cutting" method.

PS 4.5



Cutting thin-walled tubes and elbows using the superior "Planetary Cutting Technology".

Deformation-free clamping system by integrated clamping jaws made from coated cast aluminum.

GFX 3



New, innovative saw from Orbitalum Tools for cutting and beveling of tubes and elbows in just seconds. The perfect preparation for orbital welding!

SCORP



The new way of cutting cast iron, stainless steel, steel, copper, aluminum and plastic pipes. Ideal for pipe fitters to use on construction sites and in industrial pipe installations.

Model		Scorp	GFX 3	PS 4.5	GF 4	GF 6
Power Supply				1 PH 230 VAC		
Tube OD	mm	20-220	6-78	6-120	12-120	21-168
	inch	0.79"-8.66"	0.24"-3.07"	0.24"-4.72"	0.47"-4.72"	0.839"-6.626"
Elbo OD	mm	-	-	30-120	-	-
Max. wall thickness*	mm	10	7	3	9	15
Power	kW	1.1	1.2	1.1	1.8	1.8

*Depends on material properties.



Pipe Beveling Equipment



BRB 2



REB



RPG 2.5

Model		BRB2-Kit1	BRB2-Kit2	REB6	REB14	RPG2.5
Drive		Pneumatic	Pneumatic	Electrical	Electrical	Electrical
Power	kw	0.38	0.38	1.2	1.2	1
Speed	rpm	0-120	0-120	10-32	5-16	9-153
Power Supply	50/60Hz	NA	NA	1PH230V	1PH230V	1PH230V
Air Supply	m3/min	0.7	0.7	NA	NA	NA
Pipe ID	mm	12.75-25.5	19.1-46.0	49-159	92-320	-
Pipe OD	mm	16.75-41.5	23.0-62.0	56-168	100-355.5	6.35-63.5
Wall Thickness	mm	2-8	2-8	3-22	4-30	Max.3

The most powerful pipe end preparation solution. Counterboring and axial turning of pipes made from high-alloy steel (stainless steel), low-alloy and carbon steel. Designed for pipe end preparation and boiler pipe applications. Designed for pipe end preparation and boiler pipe applications.

ESG Tungsten Electrode Grinder



3M Special Abrasives

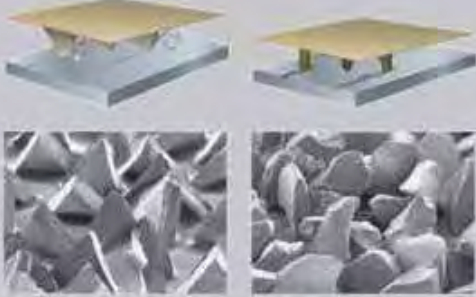
USA

For more than 100 years, 3M has been a world leader in developing advanced abrasives products and systems. Some familiar brands include, Scotch-Brite™, Wet-or-dry™, Cubitron™, Trizact™, Roloc™, Green Corps™ and Hookit™.

3M offers innovative abrasive solutions for grinding, cutting, blending, sanding, dimensioning, cleaning, stripping, resurfacing, fluting, polishing or finishing than 3M.

3M™ Cubitron II

Precise micro replicated structures.



Conventional Ceramic Abrasives
Irregular and blocky in shape.

3M™ Cubitron™ II 982C Abrasives
Compared to conventional abrasives.
Cubitron™ II Abrasives:

- Cut faster
- Last longer
- Require less pressure for easier use



3M™ Green Corps™ Flexible Grinding Disc

The high performance 3M™ Cubitron™ Mineral works harder than regular minerals, giving a much higher rate of cut and improved finish when compared to standard grinding discs.

- Flexible construction and durability enables consistent performance over a longer period of time.
- Produces minimal levels of noise and vibration, thus reducing operator fatigue.



3M™ Cubitron™ II 987C Abrasives

Compared to conventional abrasives, Cubitron™ II Abrasives:

- Cut faster
- Last longer
- Require less pressure for easier use



3M™ GREEN Corps™ Cutoff Wheels

3M's highest performing, longest lasting wheel used for cutting sheet metal, frame rails, clamps and rusted bolts. Constructed with premium grade abrasives, these wheels out-cut and out-last General Purpose wheels.



Scotch-Brite™ Surface Conditioning Discs

Scotch-Brite™ Surface Conditioning products quickly and efficiently deburr, clean, blend and finish a wide variety of materials.

- Available in a variety of grades from coarse to very fine.
- Discs can be used in all blending operations and are particularly good for refining grinding marks.



Scotch-Brite™ General Purpose Hand Pad

Used in a variety of applications. Excellent starting point to clean, finish, grain, denib and defuzz. May be used by hand, with a hand pad block, or on an in-line sander

- Industry leader
- Load resistant
- Performs like steel wool grade 1 without splintering.

BORN TO



GRIND.

3M.com/abrasives

COATED AND BONDED Abrasives

3M Abrasives USA

3M experience of working in partnership with a wide range of industries has enabled us to develop a comprehensive range of abrasive solutions designed to deal with mild steel and stainless steel.



3M RIGID GRINDING & CUTTING DISCS
Excellent choice for ferrous metals such as mild steel, cast iron, and tooling steels.

- Contains brown aluminum oxide mineral for consistent performance and value
- Ideal for heavy-duty stock removal applications and grinders with higher torque ratings
- Depressed Center Grinding wheel contains aluminum oxide grain for fast cut and long life.
- Innovative technology for longer life and higher cut rates.



3M 556D Abrasive Flap Discs
3M Flap Discs are used on rotary angle grinders for stock removal and finishing applications on mild steel - non ferrous metal.

- High performance Alumina Zirconia flap disc.
- Good cut rate for medium duty applications.



3M 581C Fibre Disc (4 Slots)
Have been developed for a wide variety of general purpose metal working applications.

- Discs use a reliable Alumina Zirconia abrasive, giving good performance on mild steel applications
- Suited to general purpose applications where it is difficult to assess value and an economical disc is required.



The Cubitron™ II Difference



Conventional Abrasive



Welding Torches



Micro Glider Welding Torches

In order to enable welding at distances longer than 5 metres from the welding machine, Translas now supplies the new 7XM torches in combination with a new wire transport system: the 7XM-MG torch. This new system named Microglider (MG) transports the welding wire over longer distances with almost no friction.

Using the Microglider allows up to 10 metres to be welded without problem with all welding wires up to Ø 2 mm, even with aluminium, using a standard air or water-cooled Force hand-held torch. This means that a push-pull torch is no longer required.



TMC makes TIG welding torches EXCHANGEABLE!

With TMC connection, companies with several brands of TIG welding machines no longer have to purchase separate TIG welding torches for each welding machine.



Adapters

Translas has resolved this by fitting each type of TIG welding torch with a universal basic TMC connection, which is the same for both water-cooled and gas cooled TIG welding torches, in combination with the correct TMC adapters, suitable for the most widely used TIG welding machines.



Extension Package



Quick Connect

Translas has TMC adapters and Quick Connect control current wire ends available for the most widely used makes of welding machines, both water-cooled and gas-cooled, 1/4'G, 3/8'G, M12x1, 10-25mm², 35-50mm², etc.

Translas
Welding
Torches are
Interchangeable
with the
world's most
known brands.



MIG Torches Main Features

The 4CE 7XM MIG welding torches are developed for long and comfortable use, with all the functions required to operate the current generation of welding machines, suitable for intensive use in everyday welding practice and resistant to large temperature fluctuations.



TIG Torches Main Features



The 4CE TIG welding torches are designed for finer welding jobs and therefore small in size and easy to operate. This is mainly made possible by its intelligent design and comfortable switch system, available in single and multiple-button executions.

Personal Protective Equipments(PPE)

DELTA PLUS
FRANCE

PROTECTION
FROM HEAD
TO TOE,
IN THE WORKPLACE

A SEGMENTATION FOR
DESIGNING PRODUCTS
AND RANGES:



KNOW
THE RISKS



ANALYZE THEM
IN THE WORKERS'
ENVIRONMENT AND
CONSTRAINTS



TOOL
SEGMENTATION



CONSTRUCTION
OF A SUITABLE
PRODUCT OFFER



Our multi key input segmentation (business areas, risks, levels of range) is the foundation on which is built the strategy of the range and future products are determined and designed, which meet the constraints and risks in the workplace.

WORK

- HEAD PROTECTION
- HAND PROTECTION
- DISPOSABLE WEAR
- WORKWEAR
- OUTDOOR WEAR
- TECHNICAL WEAR
- FOOT PROTECTION
- FALL PROTECTION

THE GLOBAL OFFER

• THE BUSINESS AREAS

	AGRICULTURE/ GREEN AREAS	Farmers - Woodcutters - Gardeners ...		SERVICES / LOGISTICS	Logistics - Transportation - Airport - Distribution ...
	CONSTRUCTION/ CIVIL ENGINEERING	Structural work - Construction		HYGIENE ENVIRONMENT	Food industry - Pharmacy - Hospitals - Restaurants - Communities ...
	SECOND WORK/CRAFTSMAN	Electricians - Plumbers - Heating specialists - Painters ...		OIL/GAS	Petrochemical industry - Refinery - Off shore - Exploration - Pipelines
	HEAVY INDUSTRY	Metal construction - Petrochemical ...		MINING	Mines (exploration, extraction ...) - Stone-pit
	LIGHT INDUSTRY	Automotive - Aerospace - Industrial Subcontracting ...		WIND ENERGY	

Orbital Welding

made
in
GERMANY



Orbital welding power supplies ORBIMAT CA

Computer controlled orbital power sources with unique features!

Model		Orbimat 300	Orbimat 165
Supply Voltage	50/60 Hz	340-460 V, 3 PH	90-260 V, 3 PH
Setting Range		5 - 300 A	2 - 165 A
Duty Cycle	30%		165 A
	40%	300 A	
	60%	260 A	
	100%	220 A	120 A
Weight		33	26

The ORBIMAT CA advanced series of orbital welding power supplies are equipped with a new and unique operating concept.

In addition to the reliable automatic programming which generates welding parameters by entering the tube diameter, wall thickness, material, and welding gas all ORBIMAT CA models also have the exclusive new development FLOW FORCE to reduce the pre-flow gas time when the weld heads are closed in the standard model and BUP control function with controllable, position-dependent tube internal pressure control as an optional extra.



Model		from tube ID to Tube OD [mm]	Weight (kg)
Tube-to-Tube-Sheet	p16	10 - 78	17.5

Model		Tube OD (mm)	Weight (kg)
Open weld head	TP 250	20 - 77	10.5
	TP 600	70 - 170	13.8
Closed weld head	76 S	6 - 77	9.0
	115	20 - 115	20.7

Optional trolley and cooling system



Visual Inspection

made in GERMANY



The world's thinnest video endoscope with 2.4 mm head!

INVIZ VUMAN RA-Y

viZaar is the specialist in development of video endoscopes, and manufacturers of video endoscopes.

Visual inspection cameras are designed to serve:

power generation, chemical industry, nuclear industry, building industry, etc. Non Destructive Testing NDT, turbine inspection, tank inspection, reactor inspection, external parts retrieval and analysis are only a fractional amount of viZaar's RVI Inspection Products.

With the custom-made UV video endoscope our Remote Visual Inspection (RVI) equipment are able to execute flaw detection and identify contamination in the food industry and automotive industry.



Revolver 80



Support for bigger pipe sizes up to 40"



Foreign objects retrieval clamp

INVIZ GR 16

Resolution up to 440,000 Pixel



INVIZ UVin





Diaphragm Pumps

GRACO process equipment line includes air-operated double diaphragm pumps, peristaltic hose pumps, piston pumps and high pressure cleaning equipment for low to high viscosity fluids for a variety of aggressive applications.



Model	Husky	515	716	1050	1590	2150	3300	3275
Body Material		Plastic	Metal	Plastic / Metal	Plastic / Metal	Plastic / Metal	Plastic	Metal
Connection Size	in	1/2	3/4	1	1-1/2	2	3	3
Max. Flow Rate	Lit/min	57	61	189	379	568	1059	1135
Max. Discharge Pressure	bar	7	7	8.6	8.3	8.3	7	8.6
Max. Solids	mm	2.5	2.5	3.2	4.8	6.3	12.7	12.7



Model	SaniForce	515	1040	1590	2150	1590 HS & 3-A	3150 HS & 3-A	Meat / Poultry
Max Flow Rate	Lit/min	61	151	340	568	340	568	568
Max Fluid Pressure	bar	7	8	8	8	8	8	8
Suction Lift (Wet)	m	7.6	8.84	8.84	8.84	8.5	5.5	3
Max Pumpable Solids	mm	2.38	3.2	4.8	6.3	15.9	25.4	63.5
Max. Fluid Viscosity	cps	10,000	10,000	15,000	20,000	15,000	20,000	25,000



SaniForce 6:1 Sanitary Drum Unloader



The SaniForce 6:1 Sanitary Drum Unloader features an on-demand workflow capability and can also be taken apart quickly for applications that require frequent sanitation. Available in double ball and priming piston designs for additional system flexibility.

SaniForce 3150 Bin Evacuation System



The SaniForce 3150 bin evacuation system (BES) evacuates viscous products from their original 300-gallon containers without diluting the material. Standard with an inflatable ram plate seal, the BES allows a quick replacement of the empty container. An all-pneumatic version is available for applications that do not require metering or batch control and an electronic version is available for those applications that do.

Quick Connect Couplings



Nitto Kohki's unique technologies and dedicated research have been proven by numerous patents, which led to the development of 25,000 different Cupla variations.

- Applications diversify from general household to high-tech industries such as in oceanic and space development.
- Diameters range from a tiny 1mm to a huge 540mm.
- Wide varieties of body materials such as steel, brass, plastic, aluminum or stainless steel are available.

Some Applications



Air Point



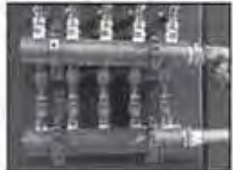
Oxy Fuel Cutting Torch



Mold Cooling



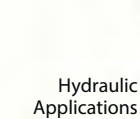
Flow Meter



A/C Unit Test



Compressor Test



Hydraulic Applications



TIGON Hose Reel.

Hose reels to transport fluid from a vertical point, the hose retracts back when released.

Model	Capacity (kg)	Storke (m)	Hose Dia (mm)	Weight (KG)
HW-0	0.5-1.5	1.3	Ø6.5/10.0	1.60
HW-3	1.5-3.0	1.3	Ø6.5/10.0	1.70
HW-5	3.0-5.0	1.3	Ø6.5/10.0	1.80

Dunnage Bags

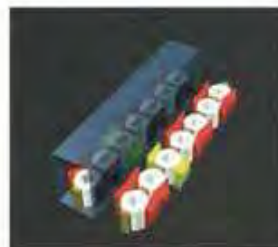


Bates Cargo-Pak is a revolution in securing and safeguarding cargo.

It is based on a simple idea: Airbags are placed in the gaps between cargo and inflated with air. The cargo is now secure and stabilized, and effectively protected against costly transport damage... ready for the long haul. Bates Cargo-Pak is the optimal solution against defects and damage, expensive compensation claims, and the loss of goodwill in a modern world based on "just in time".

Bates Cargo-Pak has the product, the expertise and the experience necessary to find the perfect solution for your shipping needs, whether you ship pallet cargo, reels of paper, barrels, pipes, cartons, sacks, mixed parcels, machinery, large appliances, electronic equipment, fresh fruit, meat, canned goods, etc.

- An environmentally friendly product
- Quick and simple to use
- Easy storage
- Airbags can withstand loads up to 30 tons



Cargo Protector

		Maximum load						
Size in cm		60 x 110	85 x 120	85 x 185	100 x 120	100 x 150	100 x 185	100 x 220
Load in tons in a gap of:	10 cm	3.0	5.3	8.7	6.4	8.3	10.4	12.6
	20 cm	1.3	2.8	6.2	3.6	4.9	6.4	7.8
	45 cm				0.4	0.6	0.9	1.2
	Max. gap in cm	25	37	37	45	45	45	45

Eco Protector

		Maximum load						
Size in cm		60 x 110	85 x 120	85 x 185	100 x 120	100 x 150	100 x 185	100 x 220
Load in tons in a gap of:	10 cm	2.3	4.1	6.6	4.9	6.4	8.0	9.7
	15 cm	1.5	2.7	4.6	3.4	4.5	5.7	6.9
	20 cm	0.9	2.0	3.4	2.5	3.4	4.4	5.5
	25 cm	0.5	1.3	2.3	1.8	2.4	3.1	3.9
	30 cm		0.8	1.5	1.2	1.6	2.3	2.7
	45 cm				0.4	0.6	0.8	1.1
	Max. gap in cm	25	37	37	45	45	45	45

Technical Liquids & Sprays



Since 1947, WEICON GmbH & Co. KG has been producing speciality products for the industry in Germany. The range of products includes special adhesives and sealants, technical sprays and high-performance assembly pastes and greases for all areas of industry - from production over repair up to maintenance.



Technical Sprays



Technical Liquids



Assembly Pastes

Welding Equipments



Arc (Stick) Welding Machines

MEF Sell and service state of the art machines for the Arc/stick Welding Applications. The thyristor controlled welding rectifiers supply a very smooth and constant welding current. We also sell Inverter based machines. Due to modern inverter technology these machines are compact, handy and powerful.



MIG Welding Machines

The main advantages of the Mig/Mag welding machines we sell are high welding speed, little draft and few rework. Our Makers also produce inverter based Mig/Mag welding machines. The inverter-based power sources convince due to a complete range of excellent synergic programmes.



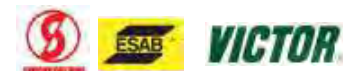
TIG Welding Machines

Our Tig welding power sources offer excellent weld quality. Due to modern power electronics these machines have outstanding welding performance in DC and AC welding process.



Plasma Cutting Machines

The Jackle plasma technology is suitable for cutting all kinds of metal, e.g. mild steel, stainless steel, aluminum, brass, copper etc.



Welding Consumables

We are selling high quality welding consumables from Esab and Chosun. Chosun Welding company is currently manufacturing more than 150 types of welding consumables for a variety of common and special applications They are successfully accepted throughout the world.

ATRAACE Manual feed Model ARA 100A

Compact design **30 kg**
Weight reduced to

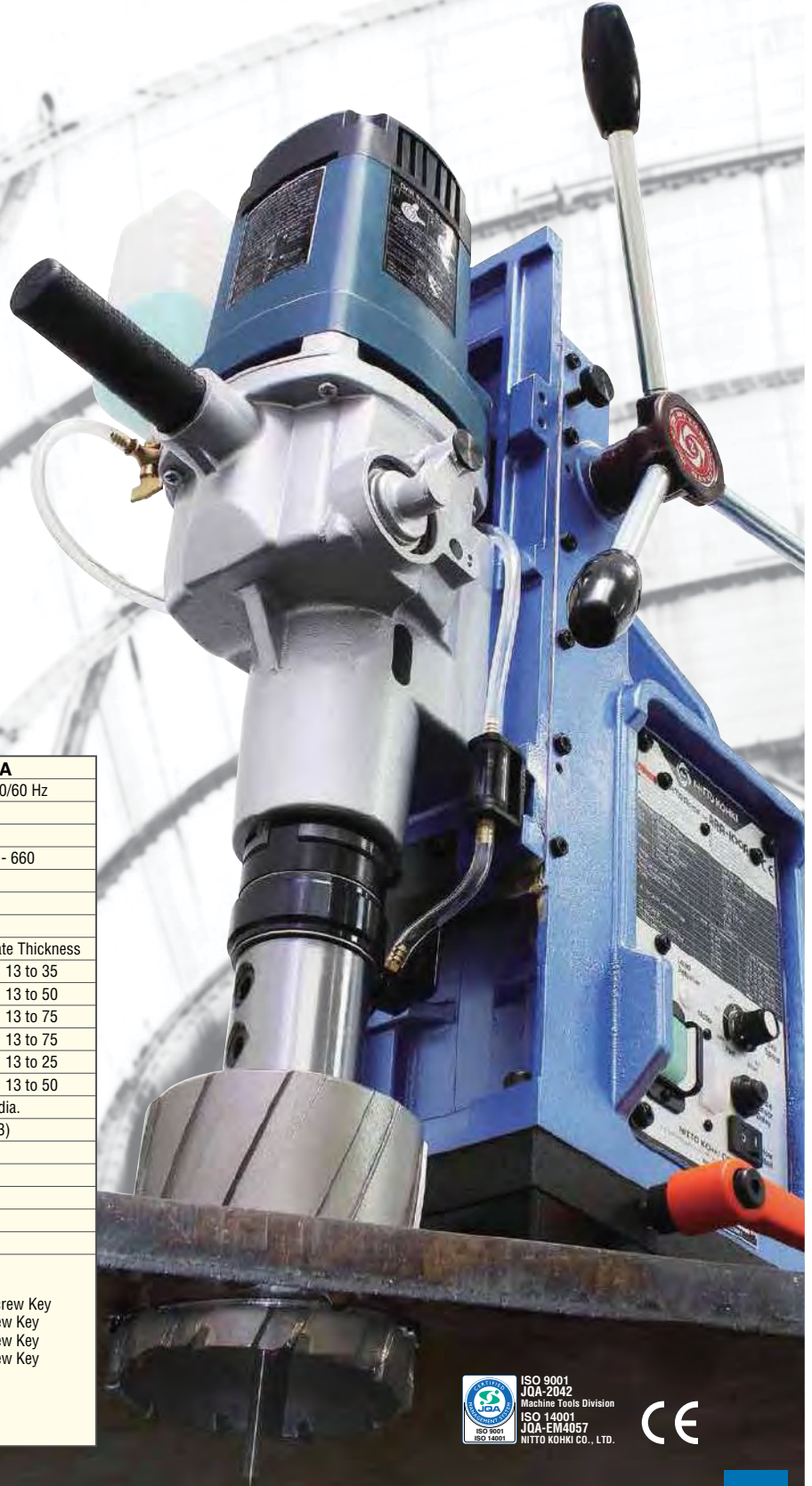
JETBROACH Cutters,
HI-BROACH Cutters,
and **Twist Drill Bits**
Can Be Used.



Max. 100 mm dia
x
75 L



Max. 32 mm dia



Specifications

Model		ARA-100A	
Power Source (Single Phase)		220 - 240 V AC, 50/60 Hz	
Electric	Rated Power Consumption	W	1800
	Rated Current	A	8.2
	No-load Speed	min ⁻¹ (rpm)	110 - 210 / 330 - 660
	Morse Taper No.	W	MT3
	Rated Duty	min	30
Magnet Power Consumption		W	80
Hole Capacity mm	Cutter	Hole Diameter	Plate Thickness
	One-touch Type JETBROACH 35L	17.5 to 40	13 to 35
	One-touch Type JETBROACH 50L	17.5 to 65	13 to 50
	One-touch Type JETBROACH 75L	17.5 to 55	13 to 75
	JETBROACH 75L	50 to 100	13 to 75
	One-touch Type HI-BROACH 25L	17.5 to 35	13 to 25
	One-touch Type HI-BROACH 50L	18 to 35	13 to 50
Twist Drill		Max. 32 mm dia.	
Magnet Holding Power		N(kgf)	17000 (1733)
Magnet Dimensions		mm	110 x 220
Cutter Position		Straight Front to Back	mm
Adjustment		Swivel angle	30°
Power Cord Length		m	5
Mass (Weight)		kg	30
Accessories Included		<ul style="list-style-type: none"> • Pilot Pin 12075 • Side Handle • 2.5 mm Hex. Socket Screw Key • 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • 8 mm Hex. Socket Screw Key • Drill Drift • 7 x 8 mm Spanner • Safety Chain • Guard 	

COMPACT MULTI SANDER Model CMX-20

Excellent for sanding on narrow, confined, and hard-to-reach areas with three types of pads



16 mm Finger Pad



2" Round Pad



Rectangular Pad

Compact, Lightweight, and Low Vibration

Automotive Sheet Metal Painting

- Putty sanding to remove blemishes, especially in confined areas

Sheet Metal

- Sanding scratches made during handling
- Sanding oxidized marks where spot welding was performed

Painting

- Removing drips and clumps of paint
- Easily removes paint overspray

Castings

- Sanding rough surfaces of castings due to an aged casting die
- Sanding burrs around the spots where the ejector pins contact

Machined parts

- Sanding tooling marks left on milled surfaces
- Sanding a slight difference in level caused by tool change on a milled surface



ISO 9001
JQA-2042
Machine Tools Division
ISO 14001
JQA-EM4057
NITTO KOHKI CO., LTD.

New Products

Portable Magnetic Base Drilling Machine

ATRAACE

CORDLESS MODEL

CLA-2720



【 Specifications 】

Model (Atra Main Unit)	CLA-2720	
Voltage	18 V	
Battery Pack (Lithium-ion Battery)	NBL18006 (18 V 4.0 Ah)	
No Load Speed	min ⁻¹	430
	Hole Diameter	Plate Thickness
One-touch Type JETBROACH	mm	12 to 17 6 to 12
One-touch Type HI-BROACH	mm	17.5 to 27 6 to 20
		12 to 15 6 to 12
		16 to 27 6 to 20
Magnet Holding Power	N(kgf)	5,500(561)
Magnet Dimensions	mm	65 x 126
Adjustment range of drilling position	Right and Left Back and forth	10 mm 10 mm
Mass (Weight)	kg	7*
Standard Accessories	<ul style="list-style-type: none"> ☒ Carry Case Ass'y : 1set ☒ Cutting Oil 0.5L Ass'y : 1set ☒ Jet oiler NO.3013 : 1pc. ☒ Tube 4x7 : 1m ☒ Battery Charger : 1pc. ☒ Battery Pack 18V NBL18006 : 2pcs. ☒ Guard : 1pc. ☒ Lashing Belt BLC002R-015 : 1pc. ☒ Handle Ass'y : 1set ☒ Blade : 1pc. ☒ Hex. Socket Head Cap Screw 5x12 : 1pc. ☒ Hex. Socket Head Set Screw 8x28 : 1pc. ☒ Hex. Socket Screw Key 3 : 1pc. ☒ Hex. Socket Screw Key 4 : 1pc. ☒ Spanner 8x10 : 1pc. 	

* Including Battery Pack and Feed Handle.

Model (Battery Pack)	NC14435
Power Source	220 - 240 V AC
Charging Time	90 min*
Chargeable battery pack	NBL18006(18 V 4.0 Ah)

* In case of a full charge from an empty battery.
However, it can be charged up to 95% in 45 min.



BURR CUTTER ^{Model} BC-005

For deburring machined holes

• While gripping the lever, push the countersink into the machined holes to remove burrs.

• Optimum speed can be obtained by the adjust valve, resulting in clean deburred surfaces.

• Deburring work can be made wherever air source is available. No need to carry workpieces to a drill press.

- Straight profile makes it easy to position the body vertically in the machined holes.
- Push-to-engage type prevents the countersink from coming off the hole and damaging the workpiece.
- Compact, lightweight and knurled body enhances productivity in deburring work.

Countersinks are readily available in the market.



ISO 9001
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Machine Tools Division
ISO 14001
JQA-EM4057
NITTO KOHKI CO., LTD.



Your Industrial Partner



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