

YUTANI

Product Guide



YUTANI CORPORATION

IMPACT WRENCHES

Yutani's impact wrenches are air tools ideally suited for tightening and loosening nuts and bolts, and are highly rated in a wide range of industries. Please make your selection based on each tool's particular application.

Pistol-grip standard models



These compact lightweight models are best sellers and have been well-received in many industries, particularly on automobile production lines.

- Option: A two-step rotation type (6 mm type) with low speed and high speed is available.

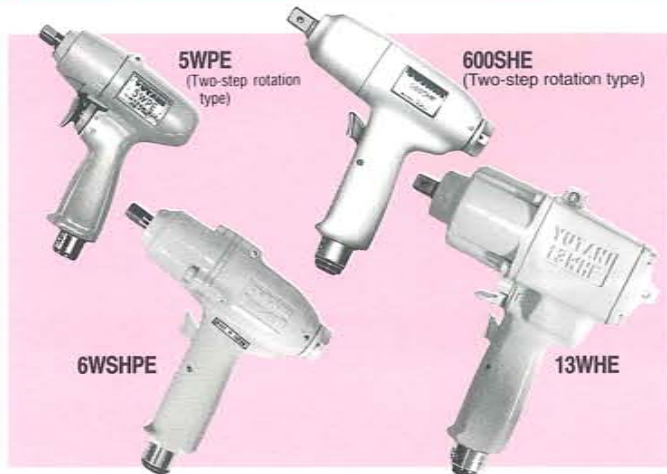
Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
6WSPL	6	8,500	0.85	172	9.5	1/4
WH-6PL	6	8,500	0.9	170	9.5	1/4
6WSHPL	6~8	8,000	0.95	165	9.5	1/4
8WH2	8~10	6,400	1.4	160	9.5*,12.7	1/4
10WH2	10	6,300	1.7	164	12.7	1/4
13WK	14	5,000	3.6	208	12.7	1/4
13WH2	14	4,800	2.7	202	12.7	1/4

* Option

- Please inquire as to the date of delivery, since this varies depending on production schedules.

Pistol-grip rear-exhaust models (low-noise and low-vibration types)



The grips of these compact lightweight models comfortably fit the hand for easy operation. Exhaust noise is reduced by about 10 phons and the direction of exhaust is variable over 360 degrees. The low-vibration type conforms to environmental hygiene regulations and has been specially developed by Yutani.

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
5WPE	5~6	9,000	0.85	142	9.5	1/4
6WSPE	6	8,500	0.85	172	9.5	1/4
WH-6PLE	6	8,500	0.9	170	9.5	1/4
6WSHPE	6~8	8,000	0.95	165	9.5	1/4
600SHE	6~8	8,000	1.1	170	9.5	1/4
8WPE	8	7,500	1.4	160	9.5	1/4
10WHE	10	6,000	1.7	164	12.7	1/4
13WHE	14	4,800	2.7	202	12.7	1/4
L-13WPA	14	4,800	3.3	202	12.7	1/4

■ Two-step rotation type (standard)

- Low-vibration type (incorporating Yutani's exclusive vibration-isolation mechanism that conforms to Japan's environmental hygiene regulations.)

Pistol-grip heavy-duty models

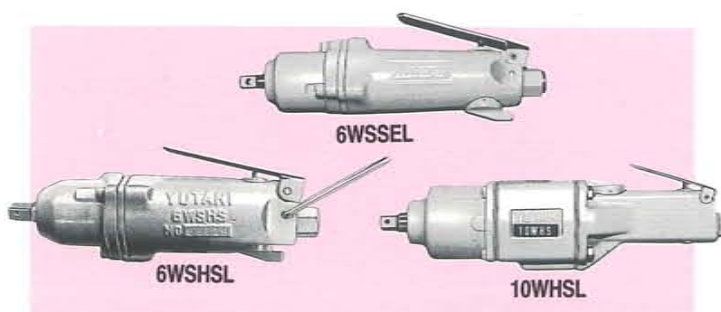


These are the most powerful of the pistol-grip models. They are used in the shipbuilding, bridge-building, construction and civil engineering industries. A built-in adjustment valve makes capacity adjustments easy.

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
16WPA	16	5,000	4.3	222	15.9	3/8
16WPB	16	5,000	4.3	230	19.0	3/8
19WP	19~22	4,200	6.5	240	19.0	3/8
32WP	33	3,200	11.5	310	25.4	1/2

Straight-type standard models



These straight-type models are effective for tightening and loosening nuts and bolts where it is difficult to use conventional pistol-grip models because of the working method or the location. They are lightweight and easy to operate.

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
6WSSEL	6	8,500	0.8	198	9.5	1/4
WH-6SEL	6	8,500	0.8	198	9.5	1/4
6WSHSL	6~8	8,000	0.9	190	9.5	1/4
8WSAL	8	5,800	1.3	202	9.5,12.7*	1/4
10WHSL	10	6,300	2.1	262	12.7	1/4
13WHSL	14	4,800	2.9	315	12.7	1/4

* Option

Grip-type standard models and long-chuck driver models



These are medium-sized impact wrenches indispensable to heavy-duty applications in the automobile, construction machinery and shipbuilding industries. A built-in adjustment valve makes capacity adjustments easy. The long-chuck drivers are suited for installing and removing tires on large vehicles, and tightening and loosening nuts and bolts in isolated areas.

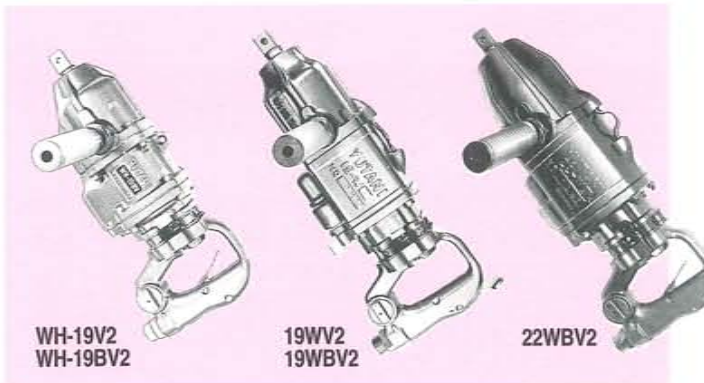
Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
<input type="checkbox"/> 16WK	19	5,500	4.7	288	15.9	3/8
<input type="checkbox"/> 16WKB	19	5,500	4.7	292	19.0	3/8
<input type="checkbox"/> 16WKE	19	5,500	4.7	284	15.9	3/8
<input type="checkbox"/> 16WKBE	19	5,500	4.7	288	19.0	3/8
<input type="checkbox"/> 19WE	20	4,400	6.0	345	15.9	3/8
<input type="checkbox"/> WH-19	20	4,200	5.4	300	15.9	3/8
<input type="checkbox"/> WH-19B	20	4,200	5.4	300	19.0	3/8
<input type="checkbox"/> 22WB	24	3,800	7.6	360	19.0	3/8
<input type="checkbox"/> 25WK	27	3,400	10.0	370	25.4	3/8
<input type="checkbox"/> 32WH	33	3,600	11.3	378	25.4	1/2
<input type="checkbox"/> 38WE	39	2,900	15.0	440	25.4	1/2
<input type="checkbox"/> 42W	42	3,200	14.7	403	25.4	1/2
<input type="checkbox"/> 32WH-180	33	3,600	12.8	577	25.4	1/2
<input type="checkbox"/> 38WE-180	39	2,900	16.5	630	25.4	1/2
<input type="checkbox"/> 42W-180	42	3,200	16.2	608	25.4	1/2

Standard: Outside lever type Option: Inside lever type

Only the outside lever type

Grip-type vibration-proof models



These models offer superior vibration isolation and conform to environmental hygiene regulations. They are particularly useful for pole and pile works. Vibrations have been reduced by about 20% to minimize worker fatigue.

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
<input type="checkbox"/> 16WKV2	16 ~ 19	5,500	5.2	339	15.9	3/8
<input type="checkbox"/> 16WKBV2	16 ~ 19	5,500	5.2	343	19.0	3/8
<input type="checkbox"/> WH-19V2	19	4,200	5.8	358	15.9	3/8
<input type="checkbox"/> WH-19BV2	19	4,200	5.8	358	19.0	3/8
<input type="checkbox"/> 19WV2	19 ~ 22	4,400	7.2	390	15.9	3/8
<input type="checkbox"/> 19WBV2	19 ~ 22	4,400	7.2	396	19.0	3/8
<input type="checkbox"/> 22WBV2	22	3,800	7.4	405	19.0	3/8
<input type="checkbox"/> 22WKV2	19 ~ 25	3,400	9.8	421	25.4	3/8

Standard: Inside lever type Option: Outside lever type

Corner-type models and corner-type heavy-duty models



These models are ideally suited for tightening and loosening nuts and bolts in narrow and recessed areas. They have been well received by the automobile and general industries. The corner-type heavy-duty models are powerful and practical for the shipbuilding, construction machinery and large plant construction industries. A built-in adjustment valve makes capacity adjustments easy.

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Height of corner section	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	mm	P.T
<input type="checkbox"/> 6WHCL	6	8,000	1.3	229	58	9.5	1/4
<input type="checkbox"/> 6CWHL	6 ~ 8	7,500	1.4	216	57	9.5	1/4
<input type="checkbox"/> 8WHCL	8 ~ 10	5,800	2.0	279	69	9.5	1/4
<input type="checkbox"/> 10WHCL	10	6,000	3.0	304	86.5	12.7	1/4
<input type="checkbox"/> 13WHCL	14	4,600	4.5	359	86.5	12.7	3/8
<input type="checkbox"/> 16WKC	16	5,200	7.0	351	107	15.9	3/8
<input type="checkbox"/> WH-19C	20	4,000	9.0	358	113	15.9	3/8
<input type="checkbox"/> WH-19BC	20	4,000	9.0	358	118	19.0	3/8
<input type="checkbox"/> 22CWB	24	3,200	9.8	398	127	19.0	3/8
<input type="checkbox"/> 25CWK	27	3,000	13.0	425	145	25.4	3/8
<input type="checkbox"/> 32CWB	33	2,800	17.0	481	144	25.4	1/2
<input type="checkbox"/> 38CWB	39	2,500	20.3	517	155	25.4	1/2

Please inquire as to the date of delivery, since this varies depending on production schedules.

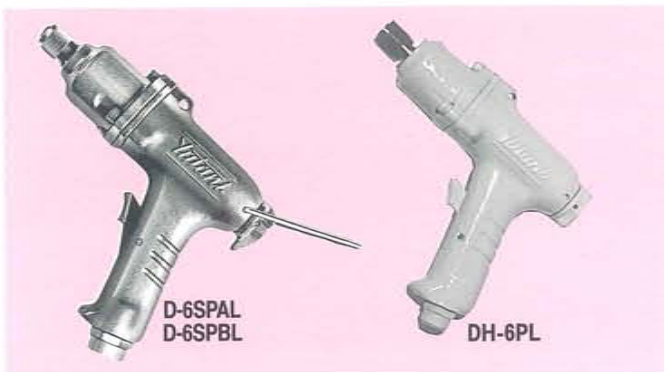
Standard: Inside lever type Option: Outside lever type

IMPACT SCREWDRIVERS

Yutani's impact screwdrivers are air tools which have been well-received and are widely used for fastening screws and tapping screws on automobile production lines and in many other industries. Please make your selection on the application.



Pistol-grip standard models



These compact, lightweight models are best sellers and have been well-received in industries which require efficient screw tightening and loosening.

- Option: A two-step rotation type (6 mm type) with low speed and high speed is available.
- Letters A and B in the model number represent the type of bit.
 - A: Applicable to single-end bits
 - B or no indication: Applicable to double-end and single-end bits

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
D-6SPAL	6	8,500	0.85	177	6.35	1/4
D-6SPBL	6	8,500	0.85	177	6.35	1/4
DH-6PL	6	8,500	0.9	177	6.35	1/4

Pistol-grip rear-exhaust models



The rear exhaust direction is variable over 360 degrees, offering reduced noise and a cleaner working environment regardless of the direction of operation.

- Letters A and B in the model number represent the type of bit.
 - A: Applicable to single-end bits
 - B or no indication: Applicable to double-end and single-end bits

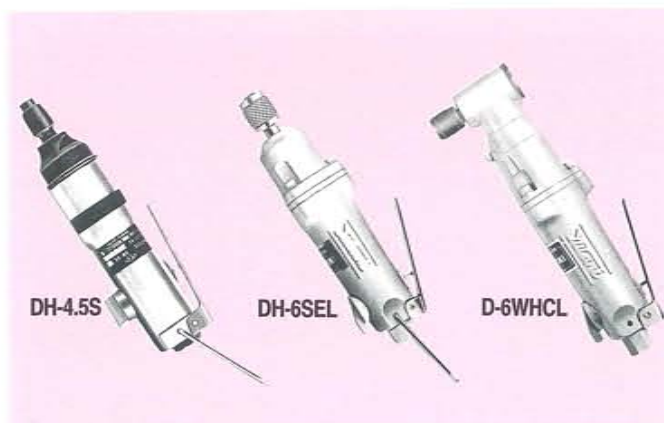
Models DH-4.5PE, D-5WPE, and D-600SHE feature a new screw-on case to prevent the workpiece from damage.

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
■ DH-4.5PEA	3.5 ~ 5	11,000	0.8	160	6.35	1/4
■ DH-4.5PEB	3.5 ~ 5	11,000	0.8	160	6.35	1/4
■ D-5WPEA	5 ~ 6	9,000	0.85	145	6.35	1/4
■ D-5WPEB	5 ~ 6	9,000	0.85	145	6.35	1/4
□ D-6SPAEL	6	8,000	0.8	177	6.35	1/4
□ D-6SPBLE	6	8,000	0.8	177	6.35	1/4
□ DH-6PLE	6	8,000	0.8	177	6.35	1/4
□ D-6WSHPE	6 ~ 8	8,000	0.9	172	6.35	1/4
■ D-600SHEA	6 ~ 8	8,000	1.0	177	6.35	1/4
■ D-600SHEB	6 ~ 8	8,000	1.0	177	6.35	1/4
■ D-8WPE	6	7,500	1.4	160	6.35	1/4

- Two-step rotation type (standard)
- Two-step rotation type (option)

Straight-type standard models and corner-type models



These compact, lightweight straight-type models are very easy to use in any working posture. The corner-type models are suited for jobs in narrow and confined areas where it is difficult to use the pistol-grip models and straight-type models.

Air pressure 0.49MPa

Model	Capacity	Free speed	Weight	Overall length	Square drive size	Air inlet
	mm	rpm	kg	mm	mm	P.T
DH-4.5S	3.5 ~ 5	11,000	0.6	190	6.35	1/8
D-6SSAEL	6	8,500	0.8	204	6.35	1/4
D-6SSBEL	6	8,500	0.8	204	6.35	1/4
DH-6SEL	6	8,500	0.8	205	6.35	1/4
D-6SHSL	6 ~ 8	8,000	0.9	200	6.35	1/4
□ D-6WHCL	6	7,500	1.4	229	6.35	1/4

- Please inquire as to the date of delivery, since this varies depending on production schedules.

AIR GRINDERS

Yutani's air grinders conform to industrial safety regulations. A stable grinding force is obtained when a load is applied, ensuring safe and powerful operation. Please make your selection based on each tool's particular application.



Pencil-type standard models



These compact lightweight models are ideal for finishing, grinding and filleting metal molds.

- A lever type with a safety device is optionally available.

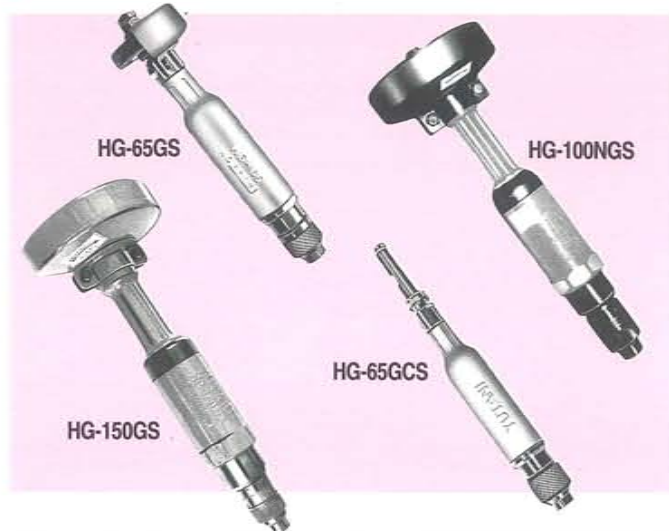
Air pressure 0.59MPa

Model	Chuck nut size	Free speed	Weight	Outer diameter	Air inlet
		(maximum)	(without wheel)		
	mm	rpm	kg	mm	P.T
HG-38NK	Lever type 3* ₆	22,000	0.45	35	1/4
HG-65NY		18,000	0.68	41	1/4
HG-38NB2	Roll type 3* ₆	22,000	0.6	35	1/4
HG-65NC		18,000	0.8	41	1/4

* Option

Chuck nut sizes of 6.35 mm is also available.

Straight-type high-speed models



High-speed rotation ensures more efficient continuous operation when removing burrs and rust and when finishing welded products.

- S-type featuring a roll handle with a safety device is available.
- Collet types for wheels with shafts are also available. (C type)

Air pressure 0.59MPa

Model	Wheel size	Free speed	Weight	Overall length	Air inlet
	(O.D. x thickness x hole diameter)	(maximum)	(without wheel)		
	mm	rpm	kg	mm	P.T
HG-65GS	65×13× 9.5	14,600	1.2	270	1/4
HG-75GS	75×13× 9.5	12,000	1.4	303	1/4
HG-100NGS	100×16×12.7	9,500	2.3	363	3/8
HG-120GS	125×19×12.7	7,600	2.9	402	3/8
HG-150GS	150×25×15.9	6,300	3.9	442	3/8
HG-65GCS	3* ₆	14,600	1.0	308	1/4
HG-75GSC	3* ₆	12,000	1.1	306	1/4

* Option

Angle-type grinders and angle-type sanders



These compact lightweight models ensure safe, efficient grinding operations.

- Option: A vibration-isolation "dead handle" type is also available.

Air pressure 0.59MPa

Model	Wheel size	Spindle angle	Free speed	Weight	Overall length	Air inlet
	(O.D. x thickness x hole diameter)		(maximum)	(without wheel)		
	mm	°	rpm	kg	mm	P.T
<input type="checkbox"/> YGS-3GS	75×4×15	90	13,500	1.1	190	1/4
<input type="checkbox"/> YGS-4GS2	100×6×15	90	13,600	1.5	233	1/4
<input type="checkbox"/> YGS-4GBS2	100×6×15	90	13,600	1.6	233	1/4
<input checked="" type="checkbox"/> YGS-4GBSE2	100×6×15	90	13,600	1.7	233	1/4
<input type="checkbox"/> YGS-5GCS	125×6×22	105	10,900	2.1	240	1/4
<input type="checkbox"/> YGS-7GS-3	180×6×22	90	7,600	3.4	286	3/8

Roll handle equipped with a safety device

Muffler type

Air pressure 0.59MPa

Model	Paper size	Spindle angle	Free speed	Weight	Overall length	Air inlet
	(wire brush size)		(maximum)			
	mm	°	rpm	kg	mm	P.T
SS-100S	100×16	90	12,500	1.0	187	1/4
<input type="checkbox"/> YGS-4PS-2	125×16 75×16	90	10,000	1.5	233	1/4
<input type="checkbox"/> YGS-5PS	150×22 100×22	105	8,000	2.0	240	1/4

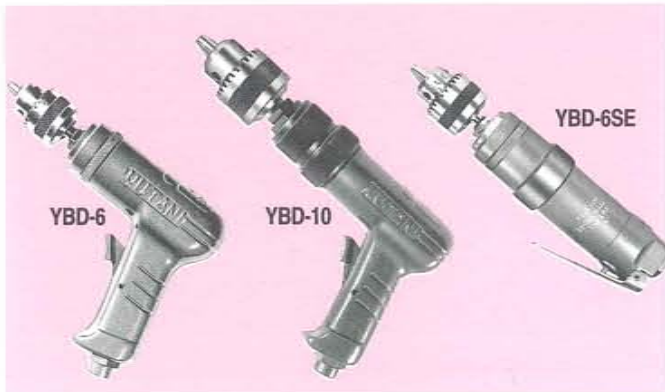
Roll handle equipped with a safety device

AIR DRILLS

Yutani's rotary air drills are compact, lightweight and perform well even when overloaded. They are suited for a wide range of drilling jobs.



Small pistol-grip models and small straight-type models



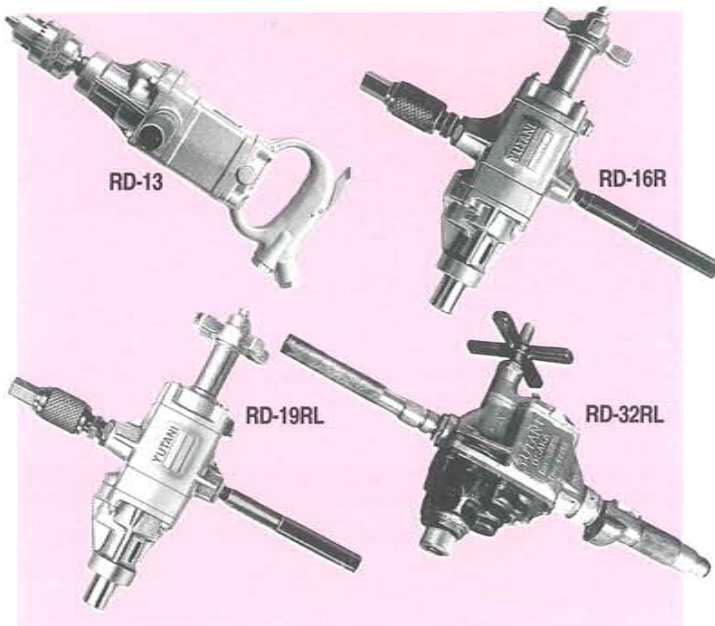
These models are compact, powerful and variable in speed. They are suitable for drilling and spot-facing and enjoy a good reputation in many fields, particularly in the automobile industry.

Air pressure 0.59MPa

Model	Drill capacity	Free speed	Weight	Overall length	Air inlet
	mm	rpm			
YBD-6	6.3	3,600	1.1	167	1/4
YBD-8B	8	1,500	1.4	202	1/4
YBD-10	10	1,000	1.6	217	1/4
YBD-6SE	6.3	3,600	1.2	204	1/4
YBD-8SE	8	1,500	1.6	241	1/4

Please inquire as to the date of delivery, since this varies depending on production schedules.

Rotary straight-type models



These powerful drills ensure highly efficient drilling, reaming and tapping for various heavy-duty applications. They can also be used as air motors and have been well-received by the shipbuilding and steel industries.

All models except for the RD-13 are of the reversible type.

Air pressure 0.59MPa

Model	Drill capacity	Free speed	Weight	Overall length	Chuck type	Air inlet
	mm	rpm				kg
RD-13	13	1,200	3.4	350	J.T No.2 1/2	1/4
RD-14R	14	1,000	5.5	368	MT No.1	3/8
RD-16R	16	900	5.5	378	MT No.2	3/8
RD-19RL	19	700	5.5	378	MT No.2	3/8
RD-23RL	23	570	5.5	378	MT No.2	3/8
RD-28R	28	500	13	366	MT No.3	1/2
RD-32RL	32	450	13	366	MT No.3	1/2

Please inquire as to the date of delivery, since this varies depending on production schedules.

Rotary corner-type models



These models are suited for drilling, reaming and tapping in narrow and confined areas.

All models are of the reversible type.

Air pressure 0.59MPa

Model	Drill capacity	Free speed	Weight	Overall length	Head size	Air inlet
	mm	rpm				kg
14RCR	14	800	6.5	435	157	3/8
22RCRB	22	650	11.8	507	200	1/2
32RCRB	32	400	13	529	205	1/2

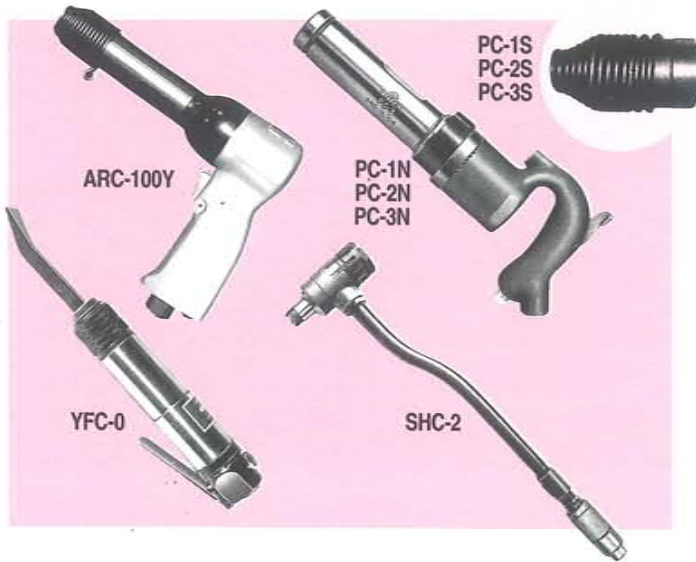
Please inquire as to the date of delivery, since this varies depending on production schedules.

AIR HAMMERS

Yutani's hammers are compact and simple. Due to the use of a high-speed hammering mechanism, they feature reduced recoil. They are highly durable and efficient chipping is guaranteed.



Small chipping hammers, chipping hammers, flux chippers and scaling hammers



These hammers are useful for a wide variety of jobs, such as pressure fitting, small rivet crimping, rust removal and chipping. They are available in a range of models.

Air pressure 0.59MPa

Model	Capacity		Blowing speed bpm	Piston diameter x Stroke mm	Chisel bushing shape (needle diameter x q'ty)	Weight kg	Overall length mm	Air inlet P.T
	Duralumin	Steel						
ARC-75N	Slag removal		3,100	φ20 x 75	φ3 x 16	2.1	378	1/4
ARC-100Y	6.4	4.8	2,300	φ12.7 x 100	φ10.1	1.5	218	1/4
PC-1N	Very slight chipping Thin-sheet gap filing		3,000	φ28.5 x 25	Round, hexagonal	5.0	300	1/4
PC-1S	Very slight chipping Thin-sheet gap filing		3,000	φ28.5 x 25	Round, hexagonal	5.0	309	1/4
PC-2N	Slight chipping Thin-sheet gap filing		3,000	φ28.5 x 51	Round, hexagonal	5.5	349	1/4
PC-2S	Slight chipping Thin-sheet gap filing		2,600	φ28.5 x 51	Round, hexagonal	5.5	349	1/4
PC-3N	General chipping Thin-sheet gap filing		2,300	φ28.5 x 76	*Round, hexagonal	6.3	394	1/4
PC-3S	General chipping Thin-sheet gap filing		2,300	φ28.5 x 76	Round, hexagonal	6.3	394	1/4
YFC-O	Steel-sheet rivet cutting and chipping		2,300	φ25 x 22	□12.7	1.7	212	1/4
YFC-ON	Rust removal		4,000	φ25 x 22	φ3 x 19	2.7	416	1/4
SCH-2	Rust removal		4,000	φ30 x 30	—	2.5	540	3/8

□ Needle type

* The PS-1S, PS-2S, and PS-3S come with a retainer spring. When ordering chipping hammers, please specify the chisel bushing shape (round or hexagonal).

ELECTRONIC CONTROL SYSTEMS

These highly advanced electronic control systems consist of a wrench, and a controller with an integrated microcomputer. The controller compares the tightening and setting torques and maintains tightening torque within the setting torque range to ensure systematic, highly accurate quality control.



ETC wrenches



These wrenches are equipped with a torque sensor and are compact and lightweight. Yutani's original power-boost mechanism greatly reduces vibration and noise. High performance is ensured, thus improving work efficiency.

Air pressure 0.49MPa

Model	Capacity (bolt dia.)	N·m	Free speed rpm	Square drive size mm	Weight kg	Overall length mm	Air inlet P.T
	mm						
ETC-10H	5 ~ 6	7.8~14.7	2,600	9.5	1.5	180	1/4
ETC-15H	6	14.7~29.4	2,300	9.5	1.8	188	1/4
ETC-30H	8	29.4~49.0	2,300	9.5	1.8	180	1/4
ETC-60H	10 ~ 12	49.0~78.4	2,300	12.7	1.9	188	1/4

Torque controller

This unit controls the tightening torque, the number of nuts and bolts to be tightened, and also checks for scuffing. A single unit can control three different types of workpieces. On-line connection to a host computer is also possible.



Fastening torque analyzer

This unit systematically checks the performance of fastening tools. It checks the number of pulses and pulse torque for accurate performance control, thereby greatly enhancing product quality.

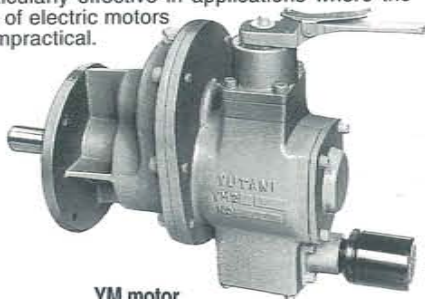


FTU unit

FTA-II analyzer

Air motors and air winches

Yutani's air motors and air winches provide all the power you need, and even under severe working conditions, they ensure trouble-free operation. They are compact and lightweight, yet extremely durable. The rotation speed can be controlled freely with simple adjustments. These motors and winches can be employed in various industries, including shipbuilding and automobile manufacturing, and are particularly effective in applications where the use of electric motors is impractical.



YM motor



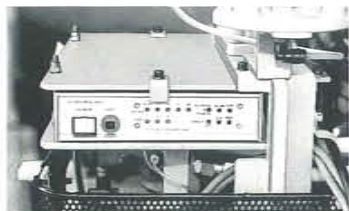
NRM motor



AWA winch

Nut runners

Yutani's nut runners are designed for easy formation of a nut runner system. Each and every nut runner unit is compact and lightweight, easy to operate, and has high output and a long service life. By combining different types of nut runner units depending on the application and purpose, a nut runner system can be created, which aids the automation of production lines. Also AC servo nut runner machines are well accepted by many users.

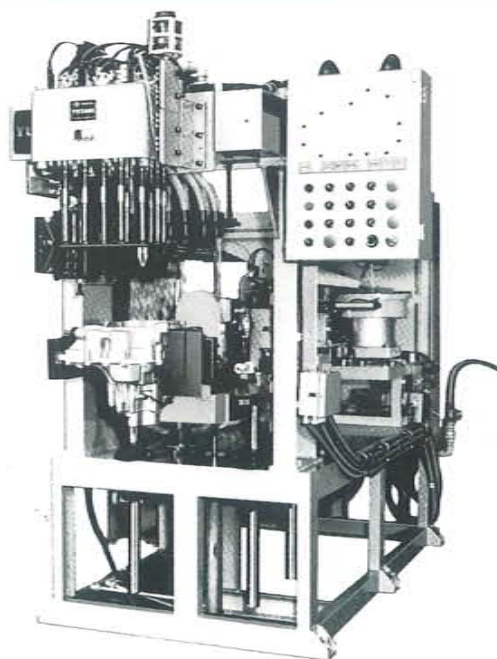


Controller MAC161

New type
controller
MAC100A



Torque-controlled
4-unit nut runner system



With an automatic bolt feeder
12-unit nut runner system for transmission case assembly

Specifications and designs in this catalogue are subject to change without notice.

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