

GA-REW

AIR

BLOW

Air-Blow Product Guide

Improve dewatering, chip removal and dust removal

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How long will you keep using that flat nozzle?

Water remains. Air cannot reach. Chips will not move.

Raise the pressure

Does the jet reach the remaining residue?

Add more nozzles

Could a different jet cover the required area?

Blow for longer

Can you shorten the total time, including repeat passes?

Beyond those adjustments,
is there room to improve?

Production keeps running, but air consumption and adjustment points increase, and one final blow remains. Review the process from the air outlet.

Across a wider
surface.

Move a single air jet.

Inside
equipment

Mecha Swing

Supply air drives a
side-to-side swing,
repeatedly sweeping the
required area.



Reduce that "one more blow."



Handheld work

Rotary nozzles

A rotating tube creates
repeated jets. Compare
cycle time and finish on
your actual workpiece.

Select coverage, distance and supply conditions to suit the workpiece.

Seconds per part can change your day.

Per part

3 seconds saved

For 1,000 parts a day

50 min/day

$3 \text{ sec} \times 1,000 \text{ parts} / 60 = 50 \text{ min/day}$

Put that time into inspection and setup.

Alongside workplace improvements, consider what better tools can do.

Illustrative calculation assuming a 3-second saving per part. It does not guarantee a product's time-saving effect.

One nozzle. Four perspectives.

Production engineering

The required finish, within the available cycle time.

Compare residual water and chips at the same processing width and conveyor speed.

Maintenance

Consider replacement and management after installation.

Check nozzle count, piping, adjustment points and ease of inspecting or replacing moving parts.

Environment / Energy

Air consumption per good part.

Evaluate nozzle count and blowing time as well as flow rate.

Operators

Can repeat passes and tool changes be reduced?

Use actual workpieces to assess handling and the time to finish one part.

Where and how will you blow?

Narrow the options by workpiece and working method.

Dewatering wide
surfaces

08

Mecha Swing Nozzle

Check width, conveyor speed and mounting distance.

Cleaning inside
equipment

09–10

Line Blaster / Swing

Select for available space and required jet coverage.

Handheld air blow

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Air Blaster / Shock Gun

Compare handling, repeat passes and cycle time.

Inside holes / Fine
details

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Tapped-hole / Spot cleaning

Check the insertion path and space for residue to escape.

PRODUCT INDEX

Air blow that fits your process.

Wide surfaces, in-line equipment, handheld tasks and hole interiors.

Select products to suit the workpiece and working method.

Product	Starting point for selection	Page
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Line Blaster	Compact nozzle for in-line integration	9
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Mecha Swing Nozzle

A moving jet for wide surfaces.



Air-driven side-to-side swing

Air repeatedly sweeps the required area. Set the swing width to suit processing width and conveyor speed.

Review nozzle count and blow time

Compare nozzle count, blow time and air usage at the same required finish.

Models & Specifications

Model	Dimensions W x D x H / mm	Pressure / MPa	Flow L/min
MS-60	28×90×15	0.4 ~0.6	165 ~195
MS-70	28×100×15	0.3 ~0.5	130 ~150
MS-60G	28×197×155	0.4 ~0.6	165 ~195
MS-70G	28×207×155	0.3 ~0.5	130 ~150

Flow ranges correspond to each model's pressure range. Operating temperature: 10-50°C.

Connection: R1/8 without gun; 1/4 coupler with gun (G).

Line Blaster

A compact nozzle inside your equipment.



Rotating tube, repeated jets

The tube rotates inside the cone, repeatedly directing air at the workpiece.

Compact 85 mm overall length

For small workpieces and sheets. Select dimensions to fit the available mounting space.

Models & Specifications

Model	Dimensions W x D x H / mm	Pressure / MPa	Flow L/min
LAB-28-SUS	28×85×28	0.4 ~0.6	180 (0.4 MPa)
LAB-35-SUS	35×85×35	0.4 ~0.6	180 (0.4 MPa)
LAB-20-SUS-N	20×85×20	0.4 ~0.6	180 (0.4 MPa)
LAB-28-L	28×85×28	0.3 ~0.5	130 (0.4 MPa)
LAB-35-L	35×85×35	0.3 ~0.5	130 (0.4 MPa)
LAB-20-L-N	20×85×20	0.3 ~0.5	130 (0.4 MPa)

Connection: R1/8. Operating temperature: 10-50°C. Flow values at 0.4 MPa.

Line Blaster (Swing)

Swing across the required area.



Swing coverage to suit the process

Choose the motion range for the processing width and nozzle mounting distance.

A range for equipment integration

R1/8 connection. Select the model considering supply pressure during use and simultaneous nozzle count.

Models & Specifications

Model	Dimensions W x D x H / mm	Pressure / MPa
LAB-SW-0.15-60	16×60×16	0.15 ~0.3
LAB-SW-0.2-95	16×95×16	0.2 ~0.4
LAB-SW-0.3-90	16×90×16	0.25 ~0.45
LAB-SW-0.3-80	16×80×16	0.3 ~0.5
LAB-SW-0.4-70	16×70×16	0.4 ~0.6

Each model: 17 g. Connection: R1/8. Operating temperature: 10-50°C.

Air Blaster / Mini

A rotating jet for handheld cleaning.



Rotating tube, repeated jets

For tasks currently cleaned by wrist movement: repeated air jets strike chips and water droplets.

Standard / Mini, with or without gun

Choose a size for easy handling. Suitable for handheld use or fixed installation.

Models & Specifications

Model	Dimensions W x D x H / mm	Pressure / MPa	Flow L/min
AB-1	28×142×28	0.4 ~0.8	200 (0.5 MPa)
AB-1G	28×249×155	0.4 ~0.8	200 (0.5 MPa)
AB-2	35×129×35	0.4 ~0.8	210 (0.5 MPa)
AB-2G	35×236×155	0.4 ~0.8	210 (0.5 MPa)

AB-1: Standard. AB-2: Mini. Operating temperature: 10-50°C.

Connection: R1/8 without gun; 1/4 coupler with gun (G). Images represent the series.

Air Blaster Long

For places that need extra reach.



Operates from 0.3 MPa

Operating pressure: 0.3-0.8 MPa. Consider this model for lower-pressure air-blow conditions.

156 mm overall length without gun

Access recessed areas. Check the insertion path and interference with surrounding components.

Models & Specifications

Model	Dimensions W x D x H / mm	Pressure / MPa	Flow L/min
AB-L	28×156×28	0.3 ~0.8	200 (0.5 MPa)
AB-LG	28×263×155	0.3 ~0.8	200 (0.5 MPa)

Operating temperature: 10-50°C. Connections: AB-L R1/8; AB-LG 1/4 coupler.

Dimensions supplemented from official product information. Check hoses and surrounding clearances.

PINPOINT AIR BLASTER

Pinpoint Air Blaster

For small workpieces and specific details.



Slim, 12 mm outside diameter

Overall length: 150 mm. Consider available space, including nearby components.

Cleaning small workpieces

Check working distance and jet coverage to direct air where it is needed.

Models & Specifications

Model	Dimensions W x D x H / mm	Pressure / MPa
AB-P12	12×150×12	0.4 ~0.8

Connection: R1/8. Operating temperature: 10-50°C.
Photos and dimensions include development-stage information. Inquire for final specifications.

Air Shock Gun

Blow off chips and droplets after machining.



Handheld or fixed installation

Select for post-machining chip removal, fixture cleaning, dewatering and other tasks.

Jet action suited to the workpiece

Motion varies by model. Select for the workpiece shape and the material adhering to it.

Models & Specifications

Model	Dimensions W x D x H / mm	Pressure / MPa	Flow L/min
SA-300S	44×143×44	0.4 ~0.8	180 (0.5 MPa)
SGA-300S	44×240×170	0.4 ~0.8	180 (0.5 MPa)
SU-90	22×112×35	0.3 ~0.5	140 (0.5 MPa)
SU-120	22×142×35	0.4 ~0.8	145 (0.5 MPa)

Representative models shown. SA-300, SGA-300 and stainless versions are also on the new website.

Connections: SGA-300S 1/4 coupler; other models shown R1/8. Operating temperature: 10-50°C.

Adjustable Shock Gun

Adjust the jet to the workpiece.



Adjust swing or rotation width

An adjustable mechanism changes the jet pattern to suit the shape of the workpiece.

Handheld or fixed installation

Choose with/without gun, connections and operating pressure to match the process.

Models & Specifications

Model (without / with gun)	Dimensions mm	Pressure MPa	Flow L/min
ASU-90 / 90G	No gun: 22 x 120 x 22 / With gun: 24 x 227 x 155	0.3 ~0.5	210 (0.5 MPa)
ASU-110-S / 110G-S	No gun: 22 x 140 x 22 / With gun: 24 x 247 x 155	0.4 ~0.8	140 (0.5 MPa)
SGR-90 / 90G	No gun: 22 x 125 x 22 / With gun: 24 x 232 x 155	0.4 ~0.8	210 (0.5 MPa)

Dimensions: W x D x H. No gun / With gun. Operating temperature: 10-50°C.
Connection: R1/8 without gun; 1/4 coupler with gun.

Tapped-Hole Cleaning Nozzle

Reach inside holes that external jets cannot.



Tip diameter: 3.5 / 5 mm

Slender nozzle with a 50 mm tip. Set insertion depth to suit the hole diameter and depth.

Remove chips and cutting fluid from holes

Leave an escape path around the inserted nozzle to blow residue out from the bottom.

Models & Specifications

Model	Dimensions / Nozzle diameter mm	Pressure MPa
CH-3.5-50	22 x 180 x 23 / Tip dia. 3.5 x 50	0.4 ~0.6
CH-5-50	22 x 180 x 23 / Tip dia. 5 x 50	0.4 ~0.6

Dimensions: W x D x H. Standard models are for air only. Connection: R1/8.

Foot switch optional.

APPLICATIONS

Where your process uses air blow.

Use application examples to narrow products and evaluation conditions.

Dewatering after
washing

Mecha Swing / Line Blaster

Check conveyor speed, processing width and workpiece orientation.

Evaluate water remaining on back surfaces, in holes and in grooves.

Dust and chip removal after
machining

Air Blaster / Shock Gun

Check where residue remains and the chip shape.

Compare repeat passes and tool changes.

Cleaning before assembly or
inspection

Line Blaster / Pinpoint Air Blaster

Identify contamination that must not reach the next step, then direct air over the required area.

Select for workpiece shape, adhering material and air-supply conditions.

SELECTION GUIDE

Choose for geometry and process conditions.

Agree on the required finish before selecting a model.

Condition	What to check	Selection implications
Workpiece shape	Flat, 3D, holes, grooves, back surfaces	Swing / Rotary / Slender tip
Coverage	Width, area, residual locations	Swing width, nozzle count, distance
Processing time	Conveyor speed, cycle time, blow time	Mounting position, jet overlap
Air supply	Operating pressure, flow, simultaneous use	Model, piping, controls
Mounting conditions	Handheld, fixed, inserted	Gun, dimensions, connection
Finish	Acceptable residual moisture / contamination	Pass/fail on actual workpieces

Check the gauge while air is flowing

Even with adequate supply pressure, piping and simultaneous use affect performance.

Measure pressure and flow near the nozzle under actual operating conditions.

Numbers alone do not determine jet reach. Check distance, angle and workpiece orientation together.

ENERGY & PRODUCTIVITY

Compare air usage per good part.

Evaluate nozzle count and blow time, not just flow rate.

Air consumption per part

$$\text{Flow} \times \text{Nozzle count} \times \text{Blow time} / 60$$

Flow: L/min / Blow time: seconds / Result: L/part

When using different models, calculate each separately and add the results.

Example: assumed operating conditions	Before	After
Flow per nozzle	200 L/min	200 L/min
Nozzle count	1	1
Blow time per part	6 sec	3 sec
Air consumption per part	20 L	10 L

If the same finish is achieved, consumption falls by 50%.

Illustrative calculation, not measured product performance or a guarantee.

Air savings do not necessarily equal electricity savings. Check compressor operating conditions too.

INSTALLATION & MAINTENANCE

Consider ease of use after installation.

Check both jet performance and ongoing maintenance.

Mounting position and direction

Choose a position where the jet reaches the target. Allow space for the swing envelope, rotary nozzle clearance, cleaning and replacement.

Piping and supply air

Check hose bore and length, not just connection size, along with simultaneous nozzle use. Inspect pressure drop during operation and air leaks.

Moving and consumable parts

Check swing/rotation, tube wear, contact surfaces and dirt. Record model numbers so replacement parts can be identified if the jet behavior changes.

Follow each model's manual for supply pressure, operating temperature and other limits.

Stop the air supply and release residual pressure before inspection or part replacement.

BEFORE / AFTER

With the same finish, how much can you reduce?

Compare before and after using the same workpiece and residue criteria.

Current conditions	Revised conditions
Measure with the current nozzle	Test candidate nozzles
Record nozzle count, flow and blow time	Adjust count, position and blow time

Evaluation item	Matched conditions / Results to check
Finish	Judge pass/fail using the same workpiece, contamination load and residue criteria
Cycle time	Measure completion time per part, including repeat passes and tool changes
Air consumption	Record flow, nozzle count and blow time; compare per good part
Maintenance / Operation	Check adjustment points, replacement parts and handling

Verify results under actual process conditions.

Required nozzle count and coverage vary with distance, conveyor speed and finish requirements.

SUPPORT

Start with one process.

Check your workpiece and operating conditions before selecting a product.

Explore the product range

Use workpiece geometry, residual water or chips and your current process as starting points.

Compare the product descriptions and specifications in this guide.

Need more technical information?

Register your company and submit a technical-document request.

Include the model, application, end user and destination for review.

International availability

Product supply and controlled document access are subject to individual review of the destination, end user, intended use and applicable export requirements.

General catalogs are freely downloadable. Controlled technical documents require approval.

Information to prepare: workpiece photos and dimensions, process, supply pressure, current nozzle models and count, intended use, end user and destination.

SPECIFICATION NOTES

How to read the tables.

Confirm the model and operating conditions when selecting or installing products.

Dimensions and flow

Dimensions are W x D x H (mm). Flow is in L/min at the stated measurement pressure. Models with and without guns differ in size and connection. Use current drawings for installation design.

Operating pressure
and flow

Flow figures apply at the pressure stated in the table. Actual air consumption depends on supply pressure and piping. When checking equipment supply capacity, include all nozzles operating simultaneously.

Mounting conditions and product
selection

Allow space for piping, fittings and moving parts as well as the nozzle body. Models with and without guns differ in dimensions and connections. Verify working distance and processing width on the actual workpiece.

Specifications and appearance may change as products are improved.
Product information: <https://new-ga-rew.com/>

Start with one process.

Before raising the pressure.

Before adding more nozzles.

Improve from the nozzle.

Explore products. Check operating conditions. / Request controlled technical documents through registration and review.

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