

7-1 Specifications

Model	RD-4055	
Sheet Feeding System	Air Suction Feed Belt	
Sheet Size (Before processing)	Max. W400 x L550 mm or W15.74" x L21.65"	
	Min. W200 x L275 mm or W7.88" x L10.83"	
Cut Product Size	With separator (see note 1)	Max. W376 x L530 mm or W14.8" x L20.8"
		Min. W50 x L80 mm or W1.97" x L3.15"
	Without separator (see note 2) (with nicks)	Max. W384 x L530 mm or W15.1" x L20.8"
		Min. Depending on die shape
Processed Material	Normal paper, Coated paper, Cardboard The sheets below cannot be processed: Sheet whose back side is laminated (cover with polypropylene) Plastic film	
Material Thickness	127.9 to 400gsm Die Cutting: Max. 0.5 mm or 0.019" Creasing: Max. 0.3 mm or 0.011"	
Feeder Stack Height	500 mm or 19.68"	
Available Cutting Area	Max. W376 x L530 mm or W14.8 x L20.8"	
Die Size - Upper Die	Max. W400 x L560 mm or W15.74 x L22.04"	
	Min. W160 x L100 mm or W6.30" x L3.94"	
Upper Cutting Blade Height	0.8 mm or 0.0315"	
Gripping width for Repeat Die Cutting	170 mm or 6.69"(includes the cut product at least)	
Production Speed	Die cut roller 6,000 cycles per hour (When the ST-4055 is connected, the number of processing sheet is 3,000 sheets per hour.)	
Bucket Receiving Tray Capacity	80 mm or 3.15" when using the BT-4055	
Voltage/Frequency	Single Phase 200 to 240 V, 50 or 60 Hz	
Rated Current	With separator (see note 1)	Single Phase 200 to 240 V, 7.5 A, 50 or 60 Hz
	Without separator (see note 2)	Single Phase 200 to 240 V, 7.0 A, 50 or 60 Hz
Heat Output	With separator (see note 1)	3,400 kJ or 810 kcal
	Without separator (see note 2)	3,310 kJ or 790 kcal

Motors	FFU-4055	420 W x 1 , 60W x 1
	RD-4055	400 W x 2
	SPC-4055	90 W x 1 , 15 W x 1
Machine Dimensions	With separator (see note 1)	W3,584 x D820 x H1,195 mm or W141.2" x D32.3" x H47.1"
	Without separator (see note 2)	W2,510 x D820 x 1,195 mm or W98.9" x D32.3" x H47.1"
Noise Level	LAeq: 73.7 dB	
Machine Weight	With separator (see note 1)	890 kg or 1,962.45 lb
	Without separator (see note 2)	770 kg or 1,697.85 lb
Recommended Air Source	With separator (see note 1) With Stacker (See note 3)	Rated Output of Prime Mover(Reference): 0.75 kW Maximum Operating Pressure: 0.8 MPa Minimum Required Pressure: 0.6 MPa or more Minimum Discharge: 85 Liters per minute Type: Oil-free Type
	Without separator (see note 2)	Not necessary.
Temperature and Humidity	Temperature +0 to -40°C or 32 to 104°F, Humidity 20% to 80%RH (No condensation)	

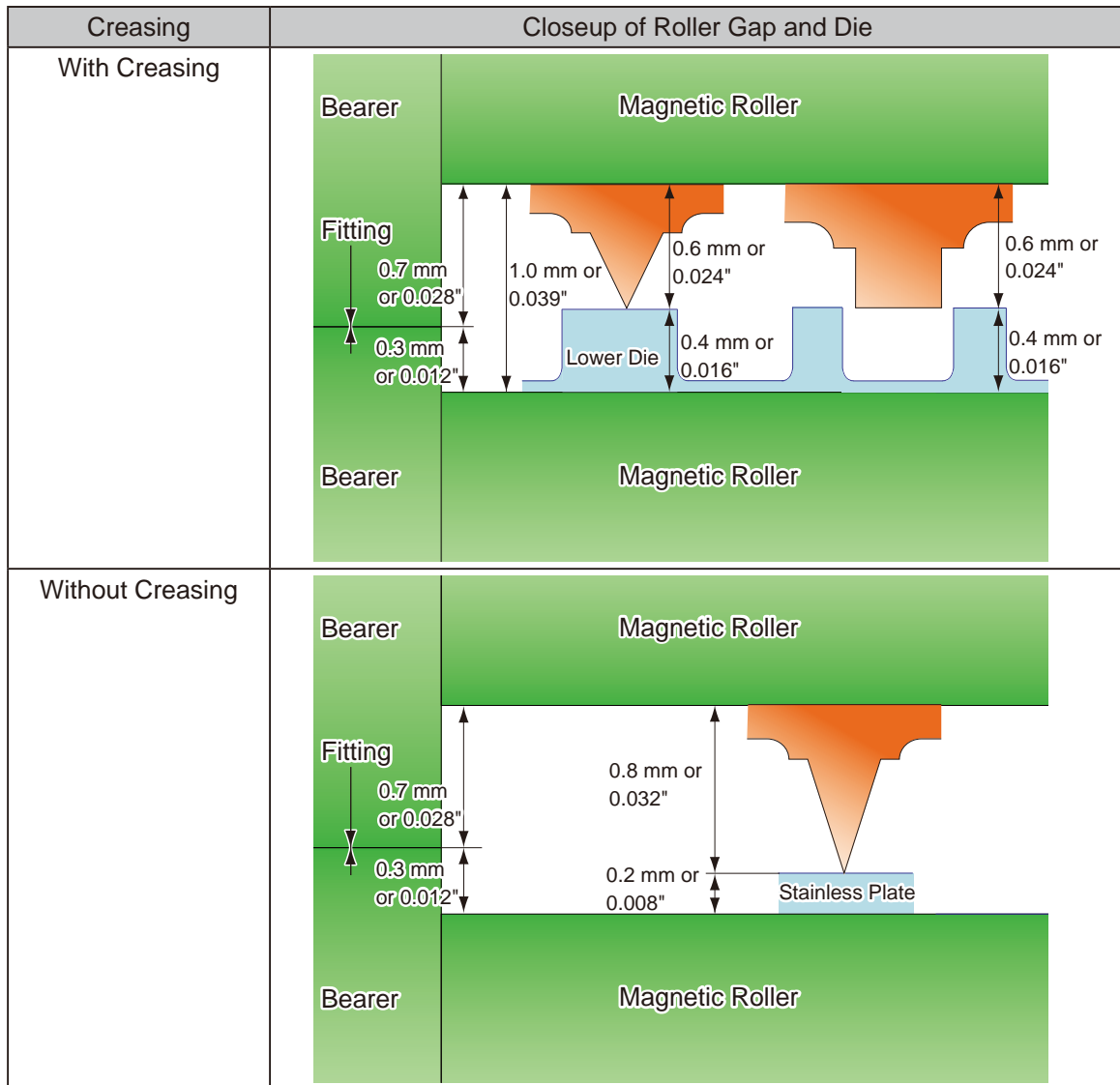
The machine design and specifications are subject to change without notice.

With separator (note 1) : System configuration consists of FFU-4055 + RD-4055 + SPC-4055.

Without separator (note 2) : System configuration consists of FFU-4055 + RD-4055 + BT-4055.

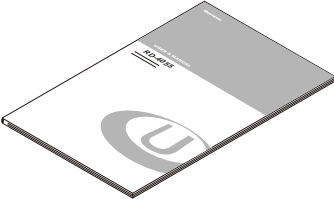

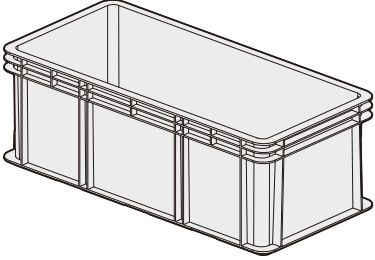
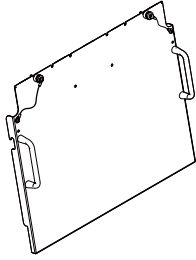
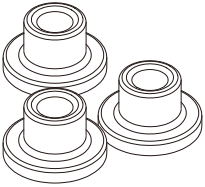
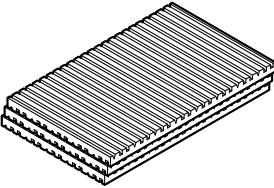
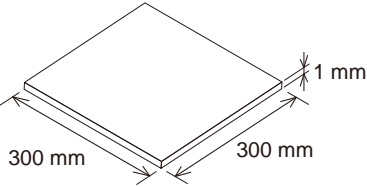
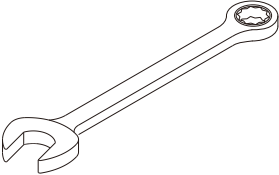
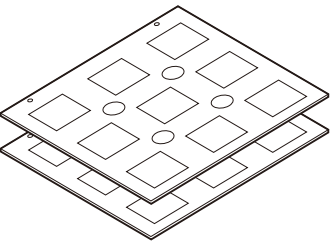
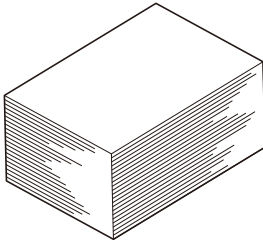
With Stacker (note 3): System configuration consists of FFU-4055 + RD-4055 + ST-4055.

7-1-1 Closeup of Roller Gap and Die



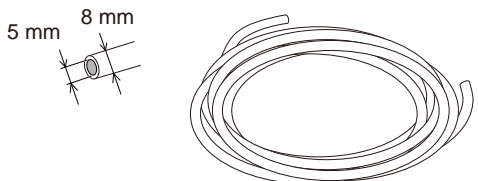
7-2 Accessories

7-2-1 Accessories for the RD-4055

User's Manual	1 pc	Parts Book	1 pc
			
Green Container	1 pc	Die Attaching Tool	1 pc
		 <p data-bbox="1182 719 1390 853">This tool can be stored under the transport section of the SPC-4055.</p>	
Mounting Feet	3 pcs	Rubber Cushions	3 pcs
		 <p data-bbox="839 1279 1401 1305">Put these cushions between the mounting plate and floor if necessary.</p>	
Sponge Sheet	1 pc	Ratchet Wrench	1 pc
 <p data-bbox="177 1637 756 1664">Attach this to the upper die to prevent the sheets from sticking to the die.</p>			
Upper/Lower Die for Position Checking	1 set	Cardboard	1 set
		 <p data-bbox="815 2022 1406 2083">100 sheets, 270gsm, 235 X 318 mm Use these to test the die cutting using the die shown in the drawing to the left.</p>	

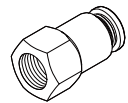
Accessories

Urethane Tube (5 m / 196.9")	1 pc
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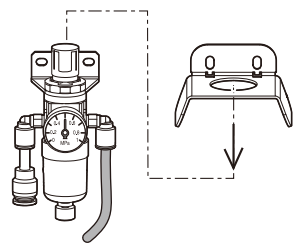
Use this to connect the RD-4055 to the compressor.

Straight Joint	1 pc
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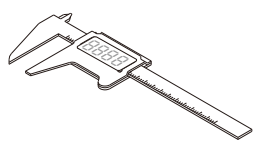


This joint is unnecessary when the RD-4055 is connected to the SPC-4055.
(Store it in the tool box.)

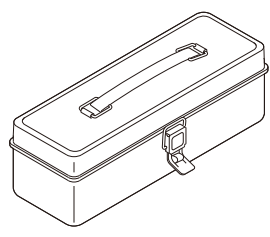
Regulator and Mounting Plate	1 set
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Digital Caliper	1 pc
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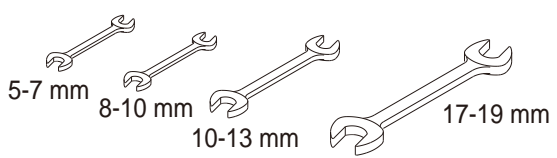


Tool Box	1 pc
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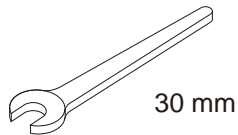


This box includes following tools.

Wrenches	1 pc each
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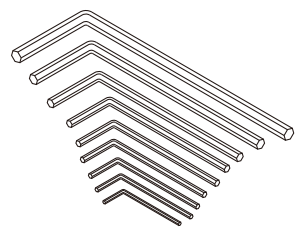


Single Open-End Wrench	1 pc
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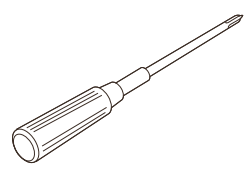
30 mm

Allen Wrenches	1 set
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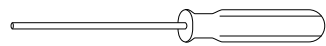


10 mm
8 mm
6 mm
5 mm
4 mm
3 mm
2.5 mm
2 mm
1.5 mm

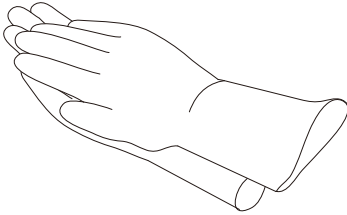
Phillips Head Screwdriver	1 pc
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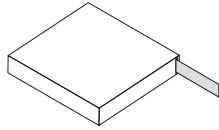



Hex Driver	1 pc
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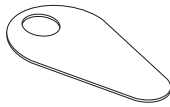


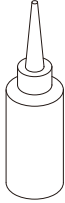
3 mm

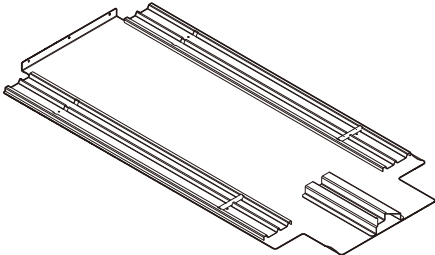
Gloves	1 pair
	

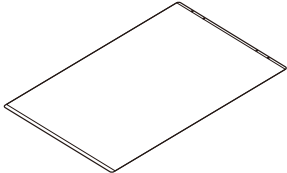
Cutting Blade Height Adjusting Strip	1 pc
 <p>Stainless, thickness: 0.01 mm, Length: 1 m Attach this to the rear of the upper die to assist the cutting action.</p>	

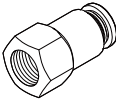
Grease Cup	1 pc
	

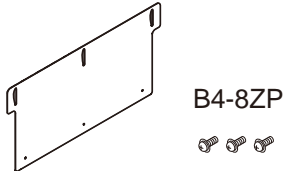
Die Removal Plate	1 pc
	

#220 Slide Oil	1 pc
	

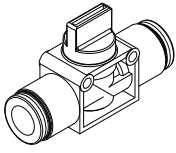
Rail Plate	1 pc
	

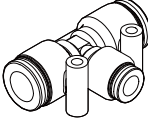
Large Stainless Sheet for Lower Die	1 pc
 <p>When the machine is shipped, this sheet is inside a box, and the box is attached to the machine. Install this sheet at the lower die when machine installation.</p>	


Straight Connector	1 pc
	

Docking plate for the rail plate	1 pc
 <p>B4-8ZP</p>	

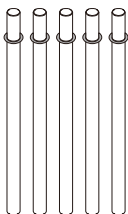
Accessories

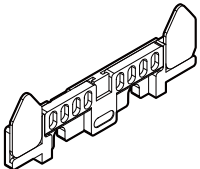
Hand Valve	1 pc
	

"T" Connector	1 pc
	

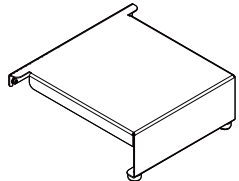
Adhesive Tape	1 pc
 Width: 40mm, Length: 80 cm	

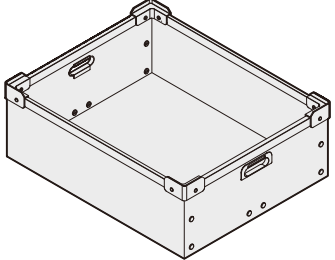
7-2-2 Accessories for the FFU-4055

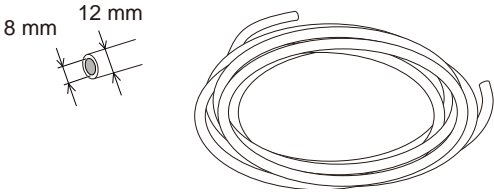
Guide Rods	5 pcs
 <p>Not used</p>	

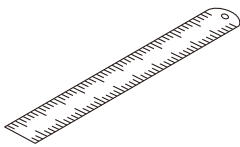
Double Feed Stop Plate Assembly	1 pc
 <p>Not used</p>	

7-2-3 Accessories for the SPC-4055

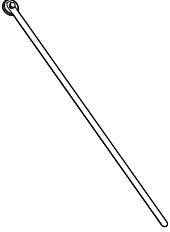
Support Plate	1 pc
	

Trash Box	2 pcs
	

Urethane Tube (6 m / 0.19")	1 pc
 <p>Use this to connect the SPC-4055 to the compressor.</p>	

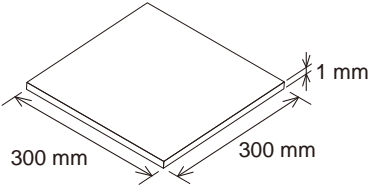
Scale (600 mm)	1 pc
	

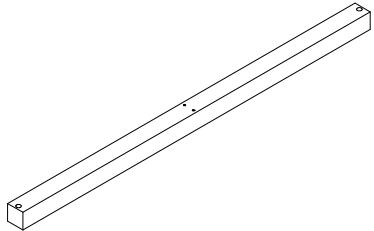
7-2-4 Accessories for the BT-4055

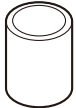
Guide Strip	1 pc
	

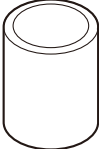
7-3 Consumables

The following materials are consumable. Order replacement materials as you use up the supplied ones.

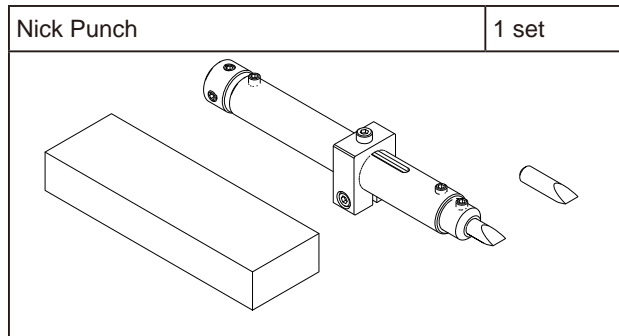
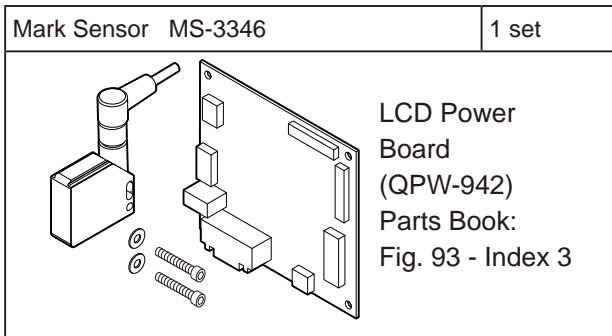
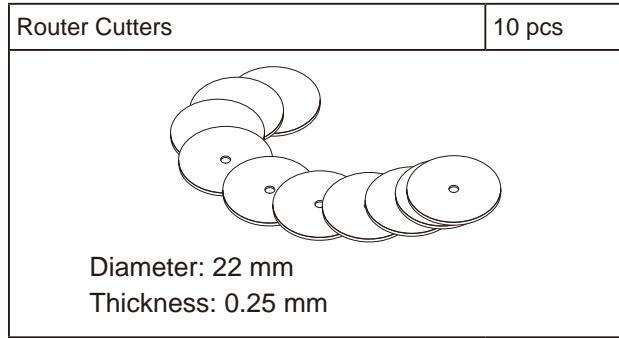
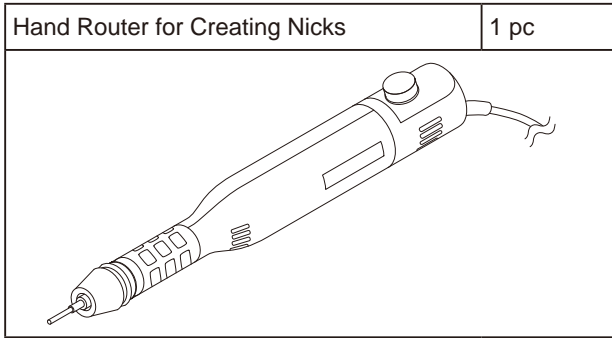
Sponge Sheet	1 pc
 <p>Parts Book: Fig. 90 - Index 21</p> <p>Attach sections of this material on the upper die to prevent the sheet from sticking to the die.</p>	

Guide Support Bar	1 pc
 <p>Parts Book: Fig. 107 - Index 1</p> <p>This bar may be marked by the screws which are used to install this bar. Replace this bar if necessary.</p>	

Filter of Filter Regulator (For RD-4055)
 <p>Parts Book: Fig. 70 - Index 19</p>

Filter of Filter Regulator (For SPC-4055)
 <p>Parts Book: Fig. 123 - Index 7</p>

7-4 Optional Parts



6-1 Safety Precautions

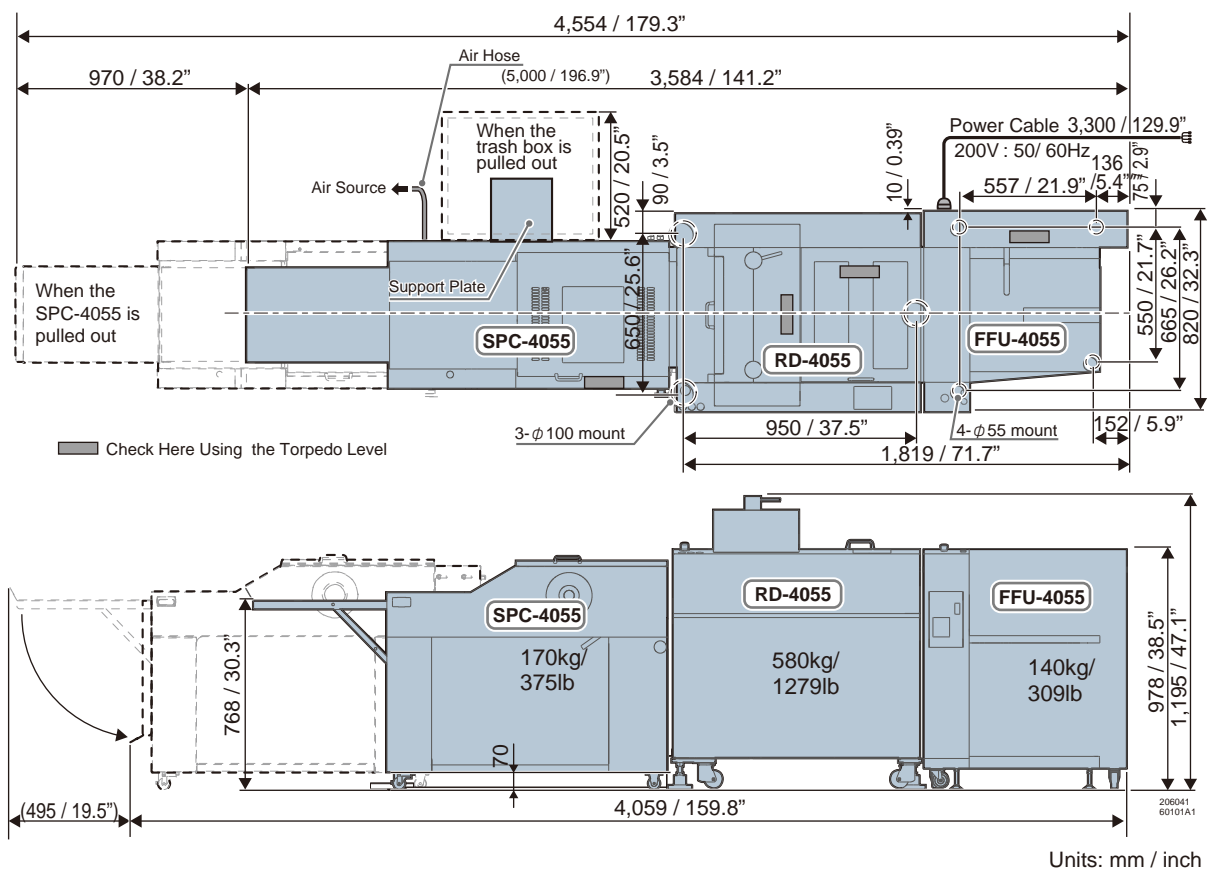
⚠ WARNING



- The weights for each unit are as follows: The FFU-4055 weighs 140 kg (308.7lb), the RD-4055 weighs 580 kg (1278.7lb), the SPC-4055 weighs 170 kg (374.8lb), and the BT-4055 weighs 45 kg (99.3lb).
- When moving these machines, use a transport method which is appropriate to the weight.
- When installing the machines, use a torpedo level to check that the floor is flat and level.
- Do not make the final connection to the power distribution board until all of the other wiring connections are completed. Otherwise an electric shock could cause severe personal injury.

Installation Space

System Including SPC-4055 Separator

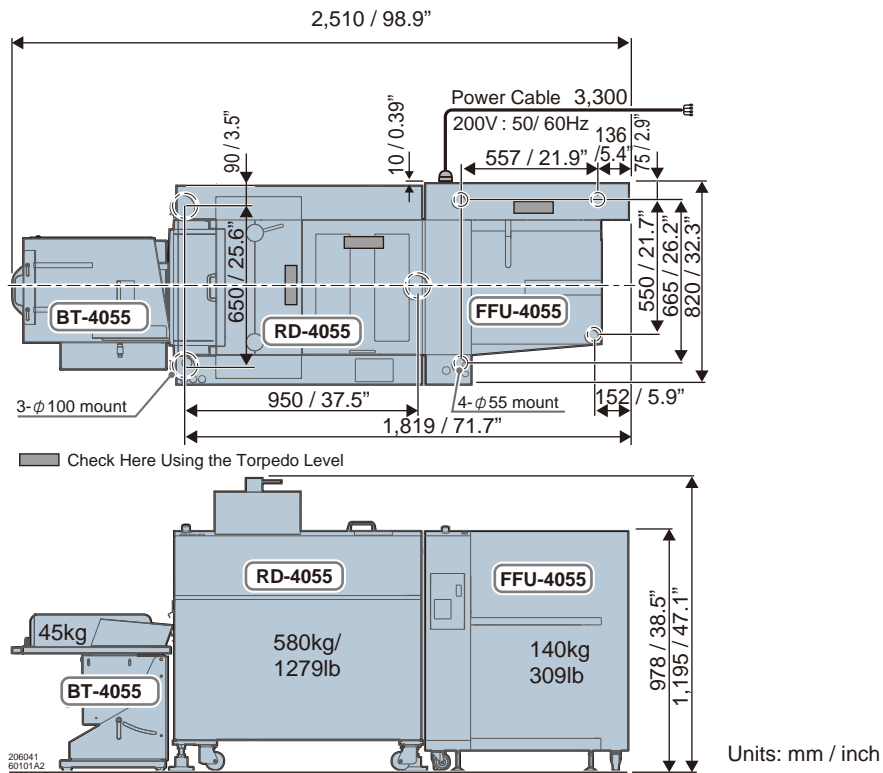


Compressor Specifications

Use a compressor with the following specifications:

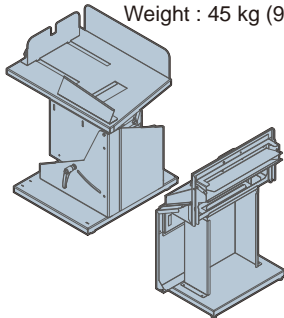
Rated Output of Prime Mover (Reference):	0.75 kW
Maximum Operating Pressure	0.8 MPa
Minimum Required Pressure	0.6 MPa or more
Minimum Discharge	85 Liters per minute
Type	Oil-free Type

System Including BT-4055 Bucket Receiving Tray

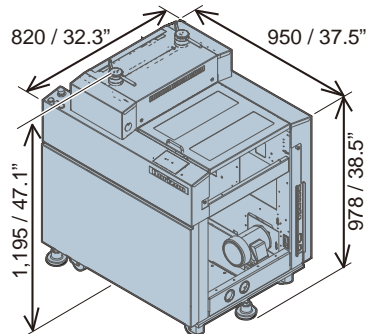


Sizes and Weights of Individual Units

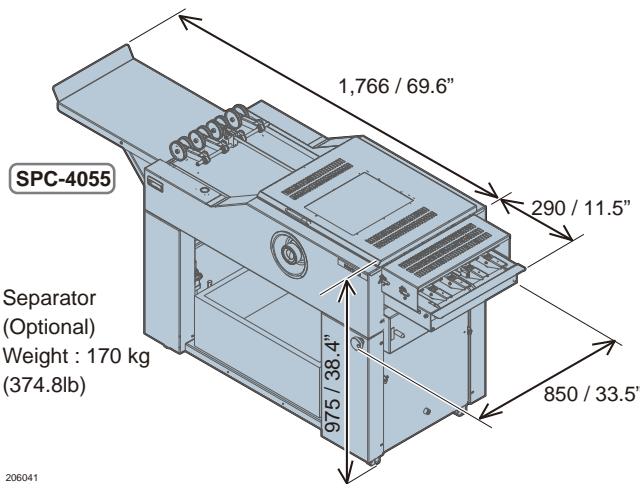
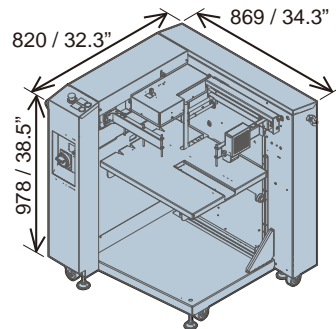
BT-4055 Bucket Receiving Tray (Optional)
Weight : 45 kg (99.3lb)



RD-4055 Rotary Die Cutter
Weight : 580 kg (1278.7lb)



FFU-4055 Sheet Feeder
Weight : 140 kg (308.7lb)



Additional Information

The rotary die cutter RD-4055 has lifting holes in its frame.

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