

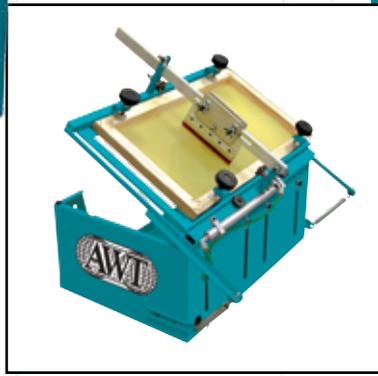
PRINT-A-ROUND™

*Moving Ahead
With Technology*

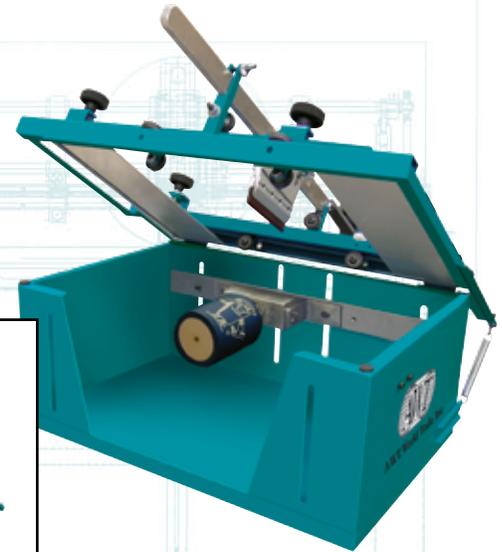
Economical, Portable 3D Printer



**Pneumatic
Print-A-Round**
*Shown with optional
roller attachment
and glass tumbler*



Print-A-Round
*Shown with
optional frame*



**Manual
Print-A-Round**
*Shown with
optional hugger mandrel
and shaft assembly*

ADVANTAGES

- High-quality 3D printing in a compact, affordable package
- Ideal for decorating can huggers, mugs, pens, tumblers and certain types of bottles
- Optional roller attachments provides easy printing on pens, pencils or objects with a larger diameter
- Pneumatic operation reduces fatigue and delivers uniform results at higher production rates
- Manual operation available
- Compact design fits into any size shop
- Perfect for promotional campaigns, fundraising projects and incentive programs

The Print-A-Round™ Portable 3D Printer offers an economical and versatile way to enter a whole new dimension of screen printing.

With the Print-A-Round, you achieve clear, crisp imaging on a wide range of cylindrical objects. Optional mandrel attachments permit the printing of mugs, can huggers and tumblers. Optional roller attachments are used to print on pens, pencils and larger diameter objects.

The pneumatic model uses a compressed-air connection to automate the print action, thus reducing operator fatigue and ensuring image repeatability. Quality, affordability and compact size make the Print-A-Round a perfect addition to even the smallest print shops.



Manufactured by
A.W.T. World Trade Inc.
Division of The A.W.T. World Trade Group

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THE PRINT-A-ROUND™ PORTABLE 3D PRINTING SYSTEM

Built Tough, Easy to Use and Easy to Clean

Standard Features

- 5" squeegee with double-bevel blade for 3D printing
- Frame holder accepts aluminum or wood frames of up to 10¼ x 18½" (O.D.) x 7/8" H (26 x 47 x 2.2 cm)
- Height-adjustable holding bar accepts optional tooling
- Pneumatic model (CP-100E) features microswitch for automated print action
- Mandrel holder bar supports optional mandrels for huggers, mugs, tumblers and some tapered objects (samples required)
- Heavy-gauge sheet metal construction for durable operation
- Stroke length adjustment

SAMPLES OF PRODUCTS THAT CAN BE PRINTED ON THE PRINT-A-ROUND



Specifications

CATEGORY NO.	DIMENSIONS (L x W x H)	MAXIMUM SUBSTRATE DIAMETER	MAXIMUM SUBSTRATE LENGTH	MAXIMUM IMAGE SIZE	COMPRESSED AIR REQUIREMENTS	SHIPPING WEIGHT
CP-100E	18 x 19 x 13" (46 x 48 x 33 cm)	1 to 3¼" (2.5 x 8 cm)	8" (20 cm)	4 x 7" (10 x 18 cm)	20 psi to 40 psi	28 lbs. (13 kg)
CPM-100E	18 x 19 x 13" (46 x 48 x 33 cm)	1 to 3¼" (2.5 to 8 cm)	8" (20 cm)	4 x 7" (10 x 18 cm)	N/A	28 lbs. (13 kg)



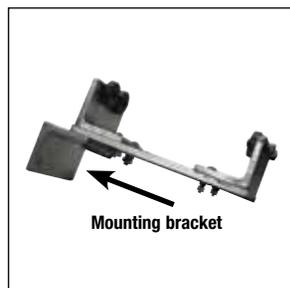
Shaft assembly



Hugger mandrel on shaft assembly



Roller attachments (small and large available)

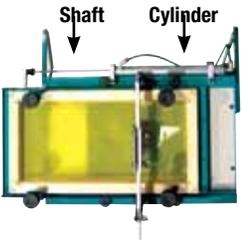
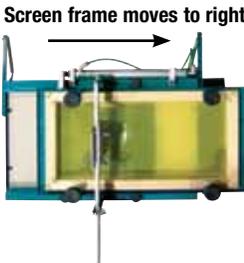
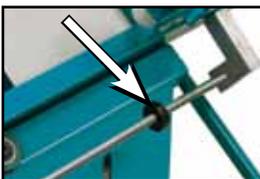
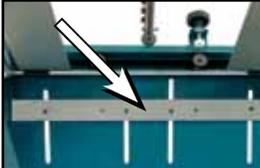


Roller attachment on mounting bracket

Options and Accessories

- Hugger mandrel
- Mug mandrel with handle attachment (Sample must be submitted for pricing)
- Tumbler mandrel (Sample must be submitted for pricing)
- Shaft assembly for all cylinder printing attachments
- Roller attachment for pens or small-diameter objects
- Roller attachment for large-diameter objects
- Wood frame 10¼ x 18½" (O.D.) x 7/8" H (26 x 47 x 2.2 cm) without mesh
- Wood frame 10¼ x 18½" (O.D.) x 7/8" H (26 x 47 x 2.2 cm) with mesh (mesh counts up to 390)
- Mug/cup with handle frame 10¼ x 18½" (O.D.) x 7/8" H (26 x 47 x 2.2 cm) without mesh
- Mug/cup with handle frame 10¼ x 18½" (O.D.) x 7/8" H (26 x 47 x 2.2 cm) with mesh (mesh counts up to 390)

FREQUENTLY ASKED QUESTIONS

QUESTION	HOW DOES IT WORK?
ANSWER	<p>Standard Pneumatic model — There is a cylinder with an extended shaft connected to the screen frame holder. When the (clam shell) squeegee lever is pulled down, a microswitch is activated, forcing air into the cylinder. This, in turn, closes the shaft and pushes the screen frame holder to the right. The pressure of the squeegee against the screen fabric/substrate causes the print-around action.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Shaft Cylinder</p> </div> <div style="text-align: center;">  <p>Microswitch</p> </div> <div style="text-align: center;">  <p>Screen frame moves to right</p> </div> </div> <p>Optional Manual model — The lever on the screen frame holder may be placed on either side for left- or right-hand use. While the operator is pressing down on the lever with one hand, the other hand moves the screen holder. The pressure of the squeegee against the screen fabric/substrate causes the print-around action.</p>
QUESTION	CAN I PRINT SOFT KETCHUP BOTTLES?
ANSWER	No. An air inflation device is required on soft substrates to make the bottle rigid for printing. The Print-A-Round does not offer this attachment. However, the A.W.T. Versa-Print™ does.
QUESTION	HOW MANY PENS, PENCILS, CUPS, ETC., CAN I PRINT PER HOUR?
ANSWER	This is determined by the speed of the operator. Naturally, the pneumatic model will yield the highest production.
QUESTION	CAN I PRINT MORE THAN ONE COLOR?
ANSWER	Yes. Test print before going into production to ensure that your artwork is properly registered.
QUESTION	CAN THIS MACHINE PRINT A CONICAL OBJECT?
ANSWER	It depends upon the size of the area to be printed and the location of the print area (print area must be fully round). A sample is required.
QUESTION	IF I CHANGE MUG VENDORS, CAN I USE THE SAME TOOLING?
ANSWER	Only if the mug is the same size and shape as the one the mandrel was created for.
QUESTION	HOW DO I ADJUST THE STROKE LENGTH?
ANSWER	<p>There is a collar located on the extended shaft of the pneumatic cylinder. A set screw holds it in place. The position of the collar on the shaft determines the stroke length.</p> <div style="text-align: right;">  </div>
QUESTION	WHAT DOES THE STANDARD FEATURE MANDREL-HOLDING BAR LOOK LIKE?
ANSWER	<p>The height adjustable holding bar is located on the rear-inside wall of the Print-A-Round. It is designed to hold all optional attachments.</p> <div style="text-align: right;">  </div>

THE A.W.T. WORLD TRADE GROUP

Combining knowledge, expertise, creativity, outstanding engineering, quality and value to produce the finest equipment, parts, supplies, remanufacturing services and technical support system serving the screen printing industry.

Building on more than 40 years experience in serving clients in the graphic, textile and industrial markets, the A.W.T. World Trade Group provides screen printers with a complete manufacturing source for screen print machinery, prepress and printing supplies, machine parts, and remanufactured equipment.

Experience shows that when printers use a single manufacturing source, costly incompatibility problems between equipment lines and suppliers are greatly reduced. A.W.T. develops complete systems that work efficiently and economically to avoid printing errors, reduce downtime, and keep you profitable.

Our technical sales staff will make sure you choose the right system for your company's needs, delivering the performance you require at a cost within your budget. Industry experts in both technical support and service will walk you through the installation and setup process for maximum productivity right from the start.

The A.W.T. World Trade Group was formed in 2002 when A.W.T. World Trade Inc. and Graphics Parts International Inc. acquired American Screen Printing Equipment. The group has further expanded its range with the startup of Specialized Safety Products. In 2008, the acquisition of General Cylinder Presses in 2010 and the acquisition of Saturn Racks in 2011.



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