Sharp SmartPunch™ Pro

Installation Manual
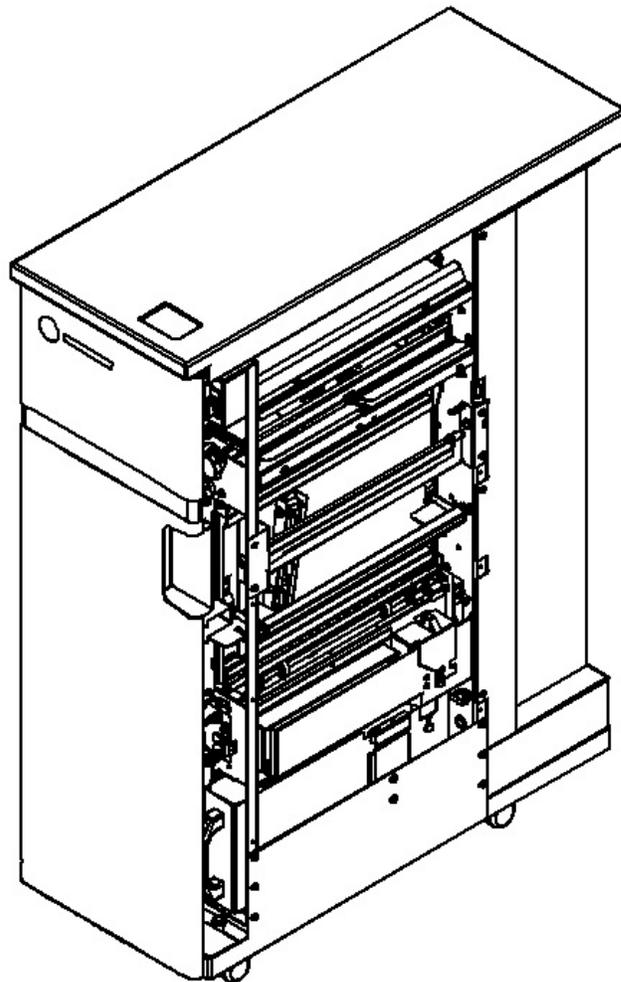
Contents   **Page**

1 Recommendations and Pre-requisites

- You will need the installation kit provided with the SmartPunch Pro unit, which can be found in the main carton.

2 Unpacking

- Inspect the outside of the package for shipping damage. If there is evidence of shipping damage, contact the shipping carrier immediately.
- Remove the punch from its shipping carton. Three people are recommended, one lifting at the casters while two lift at the top cover. DO NOT lift using the front door panel.
- Retain the smaller accessory box; it contains parts required for correct installation of the SmartPunch Pro. See below for content details.
- Inspect for any concealed damage to the unit. If there is evidence of concealed shipping damage, contact the shipping carrier immediately.
- Remove all shipping tape from doors and levers.

Installation Kit Contents

| Item	Description	Qty
1	Long Entrance Guide	1
2	Short Entrance guide	1
3	Communication Cable Assembly	1
4	Installation Manual	1
5	Soundfoam Gasket Type 1	2
6	Soundfoam Gasket Type 2	4
7	Cable tie[1]	5
8	Power Cord[2]	1
9	User Manual	1
10	Left Docking Bracket	1
11	Right Docking Bracket	1
12	M4x10mm Long Thread Forming Screw	4
13	Hex Head #8-32 Machine Screw	4
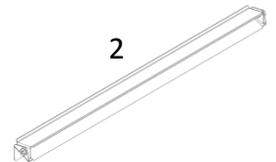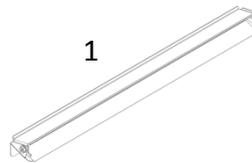
Includes 2 x M4x6 long screws for assembly
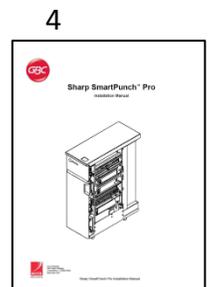
[1]Item image not shown
[2] Item may differ from image shown for other countries
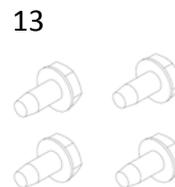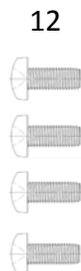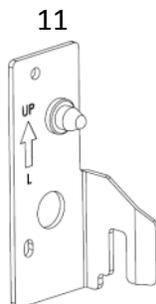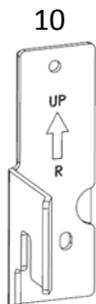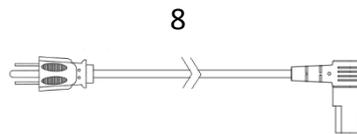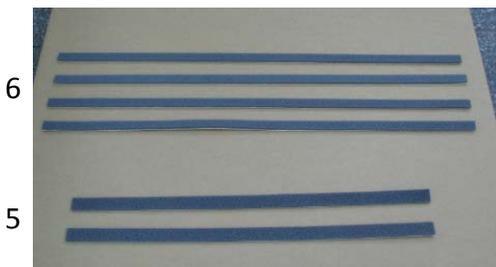
3 Cable Connections and Paper guides

Review the table below to identify which section of the guide to refer to install the SmartPunch Pro

Section	Device upstream to SmartPunch Pro
3.1	MX-CF11 Inserter (or) MX-ST10 High Capacity Stacker
3.2	MX-RB18 Curl correction unit

3.1 Cable connections

a) i)   Remove the finisher rear cover and plug the 7 pin communication cable to CN145 on the finisher board. The communication cable, Item 3, is provided in the Installation kit of SmartPunch Pro. (Finisher to SmartPunch Pro cable P/N OPT7712585)
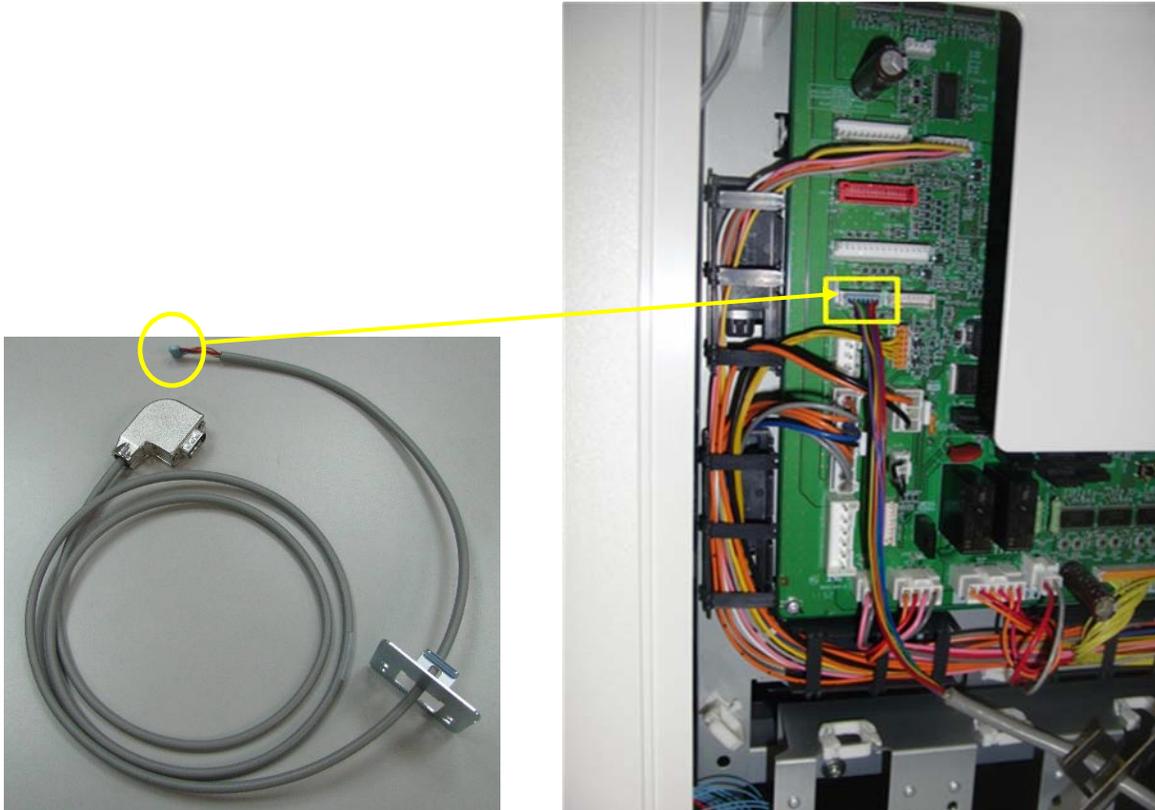
a)ii) Attach the bracket tied to the communication cable with the 2 M4x6mm long screws provided with the communication assembly.
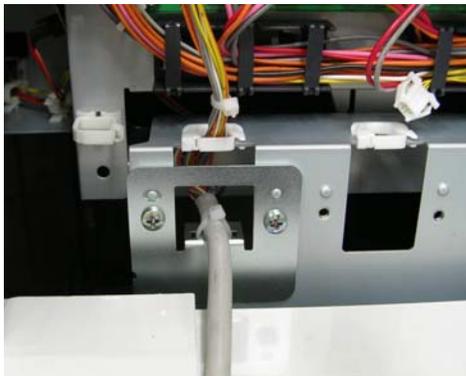
a)iii)   Plug the free end of the cable from step a) into the right side of the SmartPunch Pro.

b) Plug the appropriate power cord into the side of the machine next to the communication connector. The exact location can be seen in the above picture. Insert the plug into the power supply socket.

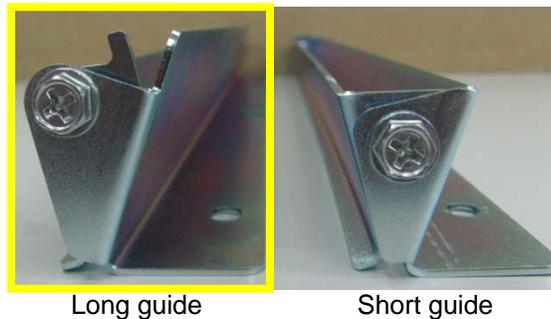c)i)   There are two entrance paper guides provided with the SmartPunch Pro. Use the longer paper guide measuring about 31mm (in paper flow direction) when used in conjunction with Inserter MX-CF11 or High Capacity Stacker MX-ST10. When connecting to the MX-CF11 follow the procedure in d) below before installing the paper guide. Otherwise, install the paper guide, using the size #8 screws provided, to the lower entrance guide of the SmartPunch Pro.

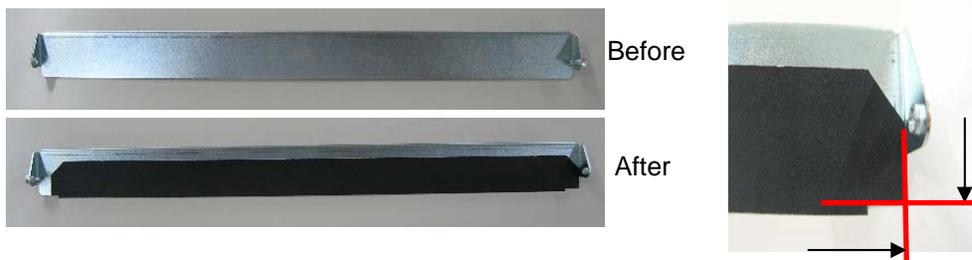Long guide   Short guide

Go to Section 4 to complete the installation.

d)i) Remove the screws from both ends.

d)ii) Attach the black Mylar from the MX-CF11 parts kit to the lower bracket at the reference edge shown in the image. Once complete re-assembly the bracket for installation.

Before

After

Go to Section 4 to complete the installation.

3.2   Cable connections

Follow the same steps as in 3.1 a, b.

c) There are two entrance paper guides provided with the SmartPunch Pro. Use the shorter paper guide measuring about 24mm (in paper flow direction) when used in conjunction with Curl correction unit MX-RB18. Install the paper guide, using the size #8 screws provided, to the lower entrance guide of the SmartPunch Pro.
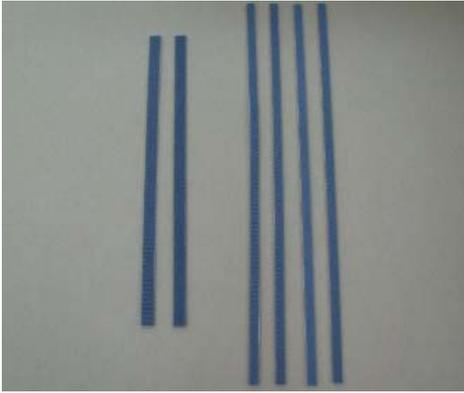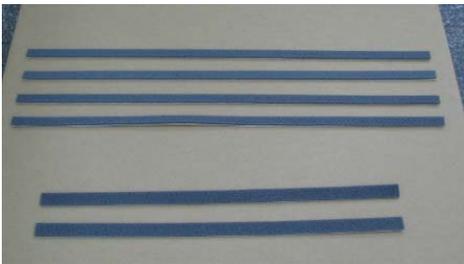

Long guide   Short guide

Go to Section 4 to complete the installation.

4. Installing the Sound Deadening Foam

Supplied with the SmartPunch Pro, you will find six strips of sound deadening foam that are shipped loose for field installation. These are not attached at the factory to avoid compression and/or damage during shipping.

To install, simply peal the back off to reveal the adhesive using the following steps as a reference.

4.1 Paper Exit Side (Finisher Side)

Apply one of the two shorter strips to the Top cover. Align it so that
   a. the short edge of the foam lines up with the rear edge of the Top cover and
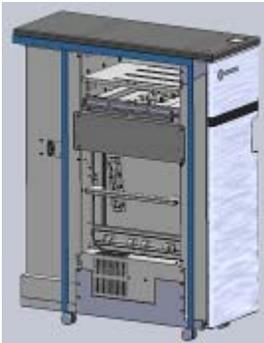   b. the long edge of the foam lines up with the bottom edge of the Top cover.

Apply one of the four longer strips to the side of the rear cover. Align it so that:
   a. the long edge of the foam lines up with the edge of the rear cover and
   b. the short edge of the foam touches the horizontal sound foam in the top.
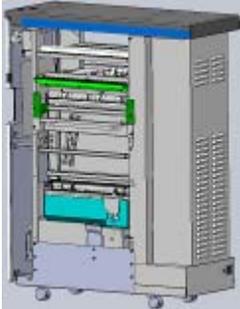
Apply another longer strip to the side cover. Align it so that the long edge of the foam is in line with the end of the horizontal foam.

Exit side complete

4.2 Paper Entrance Side (Main Unit Side)

Apply the remaining short strip to the Top cover. Align it so that
  a. the short edge of the foam lines up with the rear edge of the Top cover and b.
  b. the long edge of the foam lines up with the bottom edge of the Top cover.
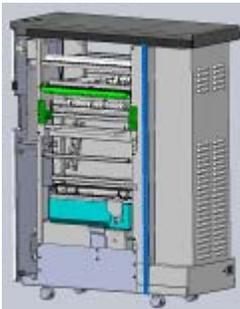
Apply one of the two remaining long strips to the side of the rear cover. Align it so that:
  a. the long edge of the foam lines up with the edge of the rear cover and
  b. the short edge of the foam touches the horizontal sound foam in the top.
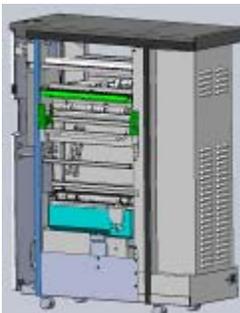
Apply the last remaining long strip to the left side of the main unit side of the SmartPunch Pro along the flange of the front frame touching the horizontal foam on the top.

5. Docking Bracket Installation

The docking brackets are shipped in a separate bag along with size M4x10 mounting screws (not shown).

MX-ST10 High Capacity Stacker

Install as shown with the bracket marked "R" on the right side facing you as you look at the exit side of the upstream device (pictures shown). Install the bracket marked "L" on the left side facing you. Both brackets should be oriented with the arrow facing up.

MX-RB18 Curl Correction Unit

MX-CF11 Inserter

The docking bracket(s) provided with the finisher should be attached to the downstream side of the SmartPunch Pro with (4) M4x10 size screws.

6. Leveling & Height Adjustment

6.1 Height Setting

No height adjustment of the SmartPunch Pro is required, for an installation site with a level floor. If the floor is uneven then it is recommended to set the level of the SmartPunch Pro using the upstream device as a reference.

6.2 Adjusting the Casters

a)

Using a 9/16" (15mm) open ended wrench, loosen the jam nut(s) situated on the caster stud inside of the machine.

b)
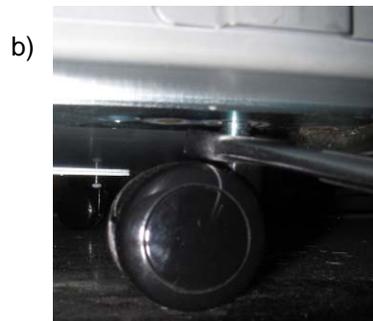
Using the 9/16" (15mm) wrench, rotate the caster stems to change the height.

Re-tighten the jam nuts once the correct height is achieved.

6.3 Fixing the Lock Lever

Once the SmartPunch Pro has been leveled and the correct height set, push it so the front and rear frames are outside the docking brackets. Push the lock lever in and use an #8-32 to secure in place.

7. Final Steps

7.1 Main Unit & Finisher Firmware

Confirm that the main unit and finisher have the latest firmware installed. Firmware can be obtained by contacting Sharp service.

7.2 Setting the Dip Switch

SmartPunch Pro unit is fitted with a dip-switch and the setting should be changed depending on the main unit it is attached to. The dip-switch is located next to the firmware upload connector on the rear cover. Set the dip-switch per the table below.

Main Unit	Dip Switch Setting							
	1	2	3	4	5	6	7	8
MX-M904, MX-M1054, MX-M1204	OFF	OFF	OFF	OFF	ON	ON	ON	ON
MX-7500N, MX-6500N	ON	ON	ON	ON	OFF	OFF	OFF	OFF

7.3 Enabling the Punch Icon

The power switch for the SmartPunch Pro can be found on the front frame on the lower left corner (shown left). Turn the SmartPunch Pro on before the main unit.

The Punch icon (shown right) will appear automatically if the connections are made correctly and the power is cycled.

7.4 Functional Test

Functional test the SmartPunch Pro system
a) Check to ensure that the paper chip tray is securely in place.
b) Check to ensure that a die set is installed properly and that any extra die sets are securely stored in the die storage area. The die is inserted as shown and should be pushed smoothly and firmly until it clicks into place.

Inserting the die   Die storage area

c) Run a small test job in "Bypass" mode. Check to ensure that the job is not punched and bypasses properly.
d) Run a small job with punch enabled. Check the punched holes of the job.
e) Run each die set to punch 100 sheets or until there is no oil residue around the holes.