

RICOH

Slide 1

- ☐ This course explains the differences between this model and the TT2.
- ☐ This course assumes that you know the TT2 duplicator . If you do not know this model, you should take a full course on it before you do this course.

RICOH**TT3 TRAINING
DUPLICATOR ENGINE****PRODUCT OUTLINE**

Slide 2

- ❑ This course explains the differences between this model and the TT2.

INTRODUCTION

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No additional notes

How many Models?

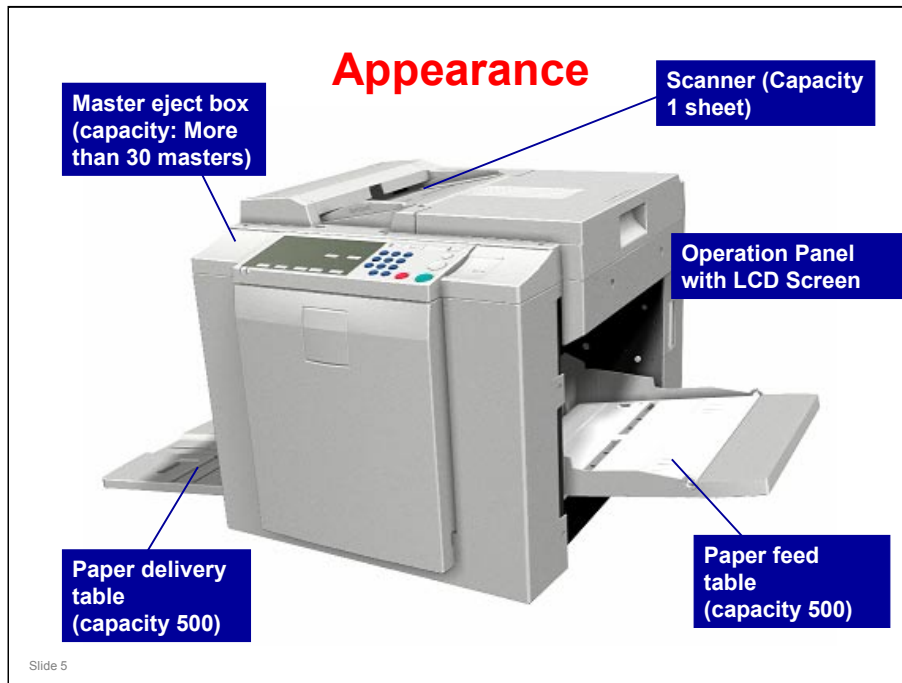
□ One model:

♦ C274

- » Successor to the TT2 (C261)
- » B4 or LG drum, depending on the region

Slide 4

No additional notes



- ☐ The paper feed tray and paper delivery tray cannot be folded into the machine.
- ☐ For shipment, both paper feed tray and delivery tray will be detached from the mainframe.

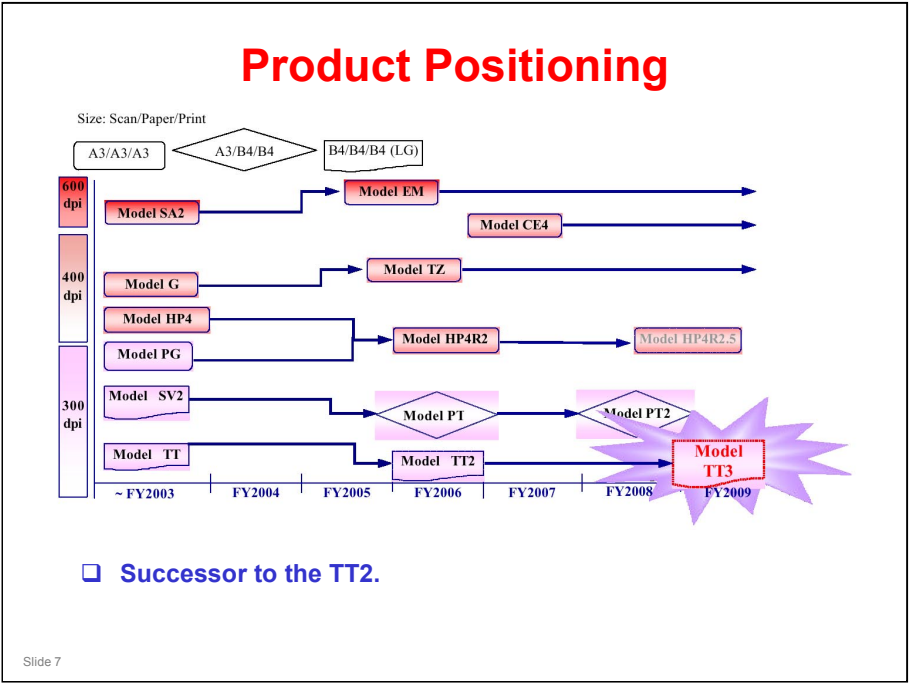
Operation Panel Design



- ❑ The colors have been changed to make the keys and LEDs more easy to see.

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No additional notes



No additional notes

Options

- ☐ VC-20 controller, with interface board
- ☐ Colour Drum Type 20 (B4, LG)
- ☐ No tape marker, sorter, document feeder, or platen cover
- ☐ Table: To be procured locally

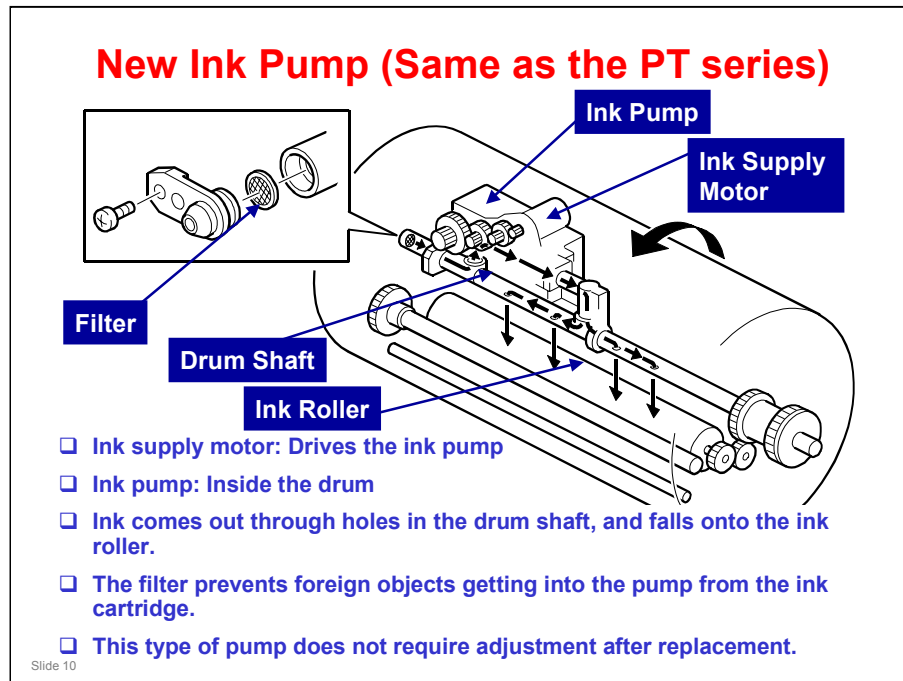
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- ☐ This is all the same as TT2.

IMPORTANT CHANGES

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No additional notes



- ☐ This new type of pump has a higher durability and ink suction capability.
 - It is the same as the ink pump used in the drums of the PT series.
- ☐ The optional drum units also use this type of pump. This type of pump is called a trochoid pump.
 - The optional drum units used in previous models use a piston pump.
 - Even though the pump is a different type, note that the drum unit has the same name as the units used in previous models (Color Drum Type 20).
- ☐ Also, the A4 drum has only two holes in the drum shaft.

Other Changes

- ❑ **Front door (different shape)**
- ❑ **New Contact Image Sensor (CIS) and MPU board.**
 - ◆ The appearance is the same as the components used in the TT2.
- ❑ **Master roll flange: Different shape, to make it incompatible with the TT2.**
 - ◆ The master rolls are not compatible with the TT and TT2.

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No additional notes

Changes to the Specifications

❑ Master Processing Time:

- ♦ Less than 40 seconds (A4/LT SEF)
 - » TT, TT2: Less than 45 seconds (A4/LT SEF)

❑ First Print Time:

- ♦ Less than 42 seconds (A4/LT SEF)
 - » TT, TT2: Less than 47 seconds (A4/LT SEF)

❑ Copy Paper Weight

- ♦ 35.0 - 127.9 g/m² (10 to 30 °C)
- ♦ The spec for temperatures above 30 °C was deleted

❑ Side Registration Adjustable Range:

- ♦ +14mm to -9mm
 - » TT, TT2: The service manual was incorrect (±10 mm)

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No additional notes

YIELD AND RELIABILITY TARGETS

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No additional notes

Supply Yield Targets

❑ Masters

- ♦ The master rolls are not compatible with the TT and TT2.
 - » 100 masters per roll
 - » Max 2,000 prints per master

❑ Ink

- ♦ The black ink is new, and not compatible with the TT and TT2.
 - » 500 ml/cartridge
 - » The ink for the China model is compatible with the PT2 for China.
- ♦ The color ink is compatible with the TT and TT2.
 - » 600 ml/cartridge

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- ❑ Yields are the same as TT and TT2.

Reliability Targets

- ☐ Same as C252 (TT) and C261 (TT2)

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No additional notes

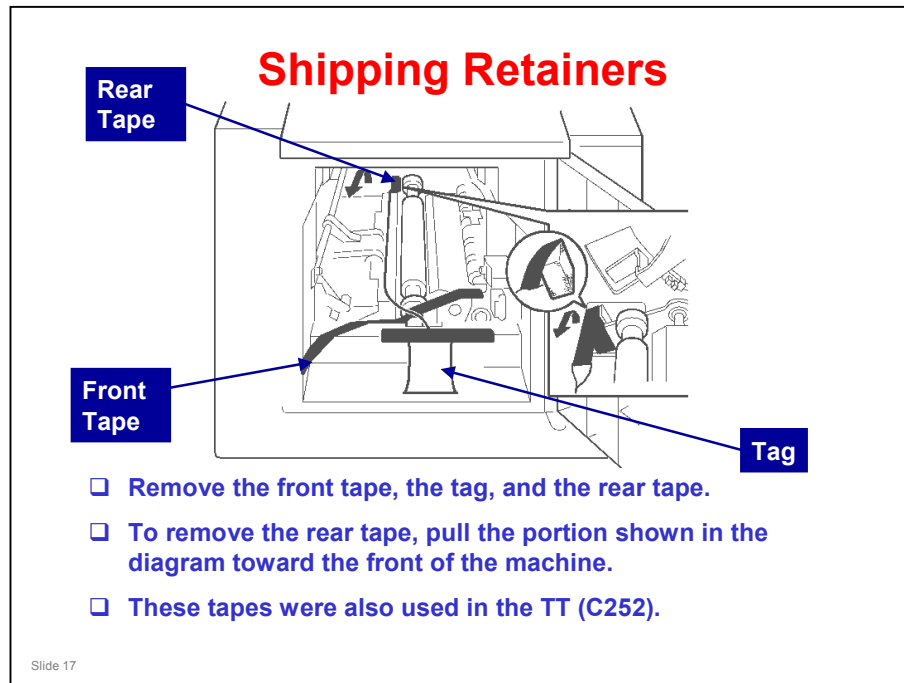
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**TT3 TRAINING
DUPLICATOR ENGINE**

INSTALLATION

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No additional notes



No additional notes

Installation for Printer Unit

- ❑ An installation procedure has been added for the printer unit and interface board.
- ❑ Study this procedure in the service manual.

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Service Manual, Installation, Optional Installation, Printer Unit VC-20 and Interface Board Type 20

RICOH**TT3 TRAINING
DUPLICATOR ENGINE****MAINTENANCE**

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- ❑ This section explains changes to the PM table.

Changes to the PM Table

- ☐ Thermal head: Clean every 6 M, in addition to cleaning at 600k
- ☐ Platen roller: Clean every 1.2M and at EM. No cleaning at 600k
- ☐ Drum master sensor: Clean every 1.2M (dry cloth)
- ☐ Master end sensor: Clean at 1.2k and at EM (dry cloth)
- ☐ Feed start timing sensor: Clean at 600k (dry cloth)
- ☐ Friction pad: Change at 6M, 1Y, 2Y, and 3Y
- ☐ Black Patch: Clean at 6M, 1Y, 2Y, and 3Y (dry cloth)
- ☐ Drum Drive Gear and Cam: Lubricate every year (Alvania #2)

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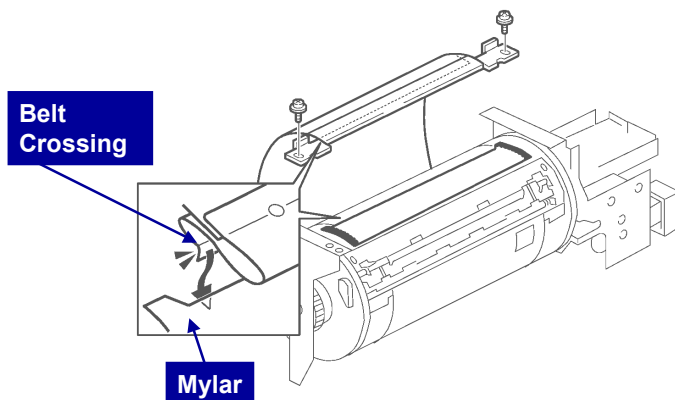
- ☐ This shows the list of changes to the PM table since the TT2.

RICOH**TT3 TRAINING
DUPLICATOR ENGINE****REPLACEMENT**

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- ❑ This section explains new or modified replacement procedures for this model.

Drum – Cloth Screen



- ❑ The shape of the mylar on the metal screen was changed.
 - ◆ Insert the edge of the belt crossing [A] on the cloth screen under the mylar [B] on the metal screen (similar to TT and TT2)

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The shape of the mylar was changed.

New Procedures

- ❑ Ink pump unit
- ❑ Ink roller unit, ink roller one-way clutch

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Service manual – Replacement and Adjustment – Drum

Other Changes

- ❑ Vacuum Fan Motor Position adjustment: Deleted
- ❑ Exit Pawl Adjustment: A note was added
 - ◆ You must set the drum to home position before you do this adjustment.

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*Service manual – Replacement and Adjustment – Paper
Delivery*