Inkjet vs. Thermal:
Key Point Intelligence Test

Sep 2024

ColorWorks
Do labels differently

EPSON®

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

Research

- Keypoint Intelligence June 2024 performance evaluation, commissioned by Epson, of the ColorWorks C6000 vs. a top selling thermal transfer label printer over the course of printing 500,000 labels in a controlled environment and 500,000 labels in a warehouse environment

Goal:

- Compare ColorWorks CW-C6000 vs. top selling thermal transfer printer on the following features:
  - ✓ Reliability
  - ✓ Image quality
  - ✓ Less interventions
  - ✓ Sustainability
  - ✓ Security

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ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

TOTAL: 1 Million Labels completed
- **Phase I:** 500,000 labels printed in Lab environment
- **Phase II:** 500,000 additional labels in Warehouse environment

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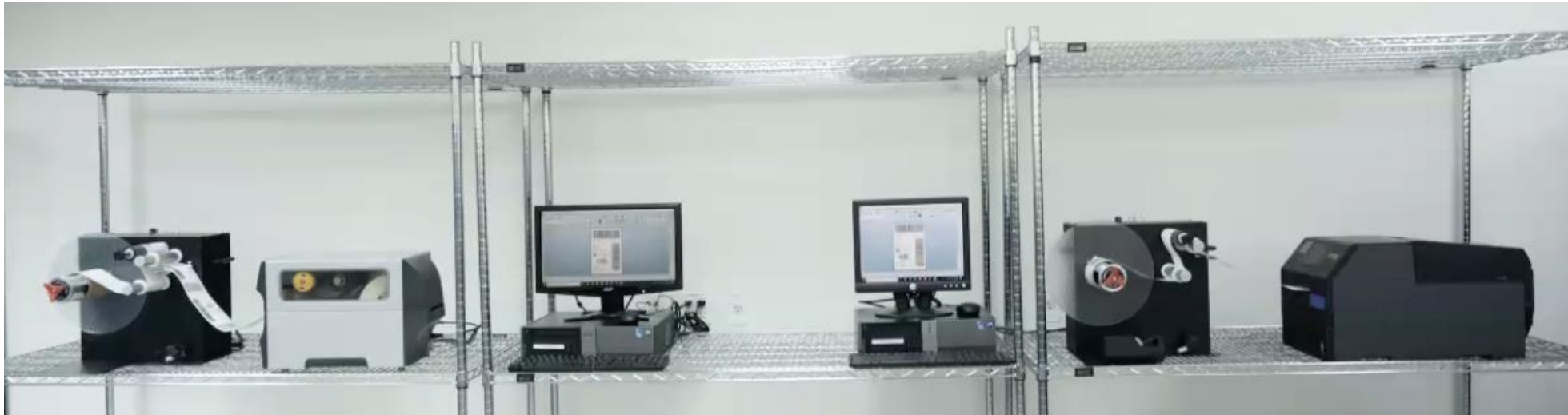
ColorWorks C6000 printing 1,000,000 labels

The CW-C6000 consistently delivered **high quality** output from the

first label → to the → **millionth** label[1]

CW-C6000
1st label

CW-C6000
1 millionth label

CODE 128 10 MILS 30 CHARACTERS

Arial Font Test B3.0

3 POINT Text Print
4 POINT Text Print
5 POINT Text Print
6 POINT Text Print
7 POINT Text Print
8 POINT Text Print
9 POINT Text Print
10 POINT Text Print

↓C2.4

CODE 128 10 MILS 30 CHARACTERS

10 MIL DIMENSION

6 14141 99999 6

Printer: Inkjet A40
Speed: 5 IPS
Image: Matte Ink
Media: Matte Paper

CODE 128 10 MILS 30 CHARACTERS

Arial Font Test B2.7

3 POINT Text Print
4 POINT Text Print
5 POINT Text Print
6 POINT Text Print
7 POINT Text Print
8 POINT Text Print
9 POINT Text Print
10 POINT Text Print

10 MIL DIMENSION

6 14141 99999 6

Printer: Inkjet A4.0
Speed: 5 IPS
Image: Matte Ink
Media: Matte Paper C2.7

CODE 128 10 MILS 30 CHARACTERS

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[1] Keypoint Intelligence June 2024 performance evaluation, commissioned by Epson, of the ColorWorks C6000 vs. a top selling thermal transfer label printer over the course of printing 500,000 labels in a controlled environment and 500,000 labels in a warehouse environment

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ColorWorks C6000 printing 1,000,000 labels

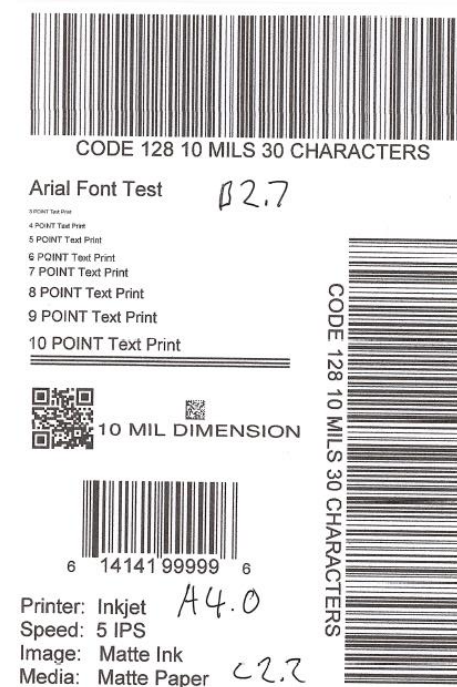The CW-C6000 printer has **no degradation** on output after printing **1** **million** labels[1]

CW-C6000
1st label

CW-C6000
1 millionth label

[1] Keypoint Intelligence June 2024 performance evaluation, commissioned by Epson, of the ColorWorks C6000 vs. a top selling thermal transfer label printer over the course of printing 500,000 labels in a controlled environment and 500,000 labels in a warehouse environment

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ColorWorks C6000 printing 1,000,000 labels

The CW-C6000 consistently delivered **scannable barcodes** and **readable text** after printing **1 million** labels[1]

CW-C6000
1st label

CW-C6000
1 millionth label

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ColorWorks C6000 printing 1,000,000 labels

The CW-C6000 powered by PrecisionCore® technology **performed reliably** over printing
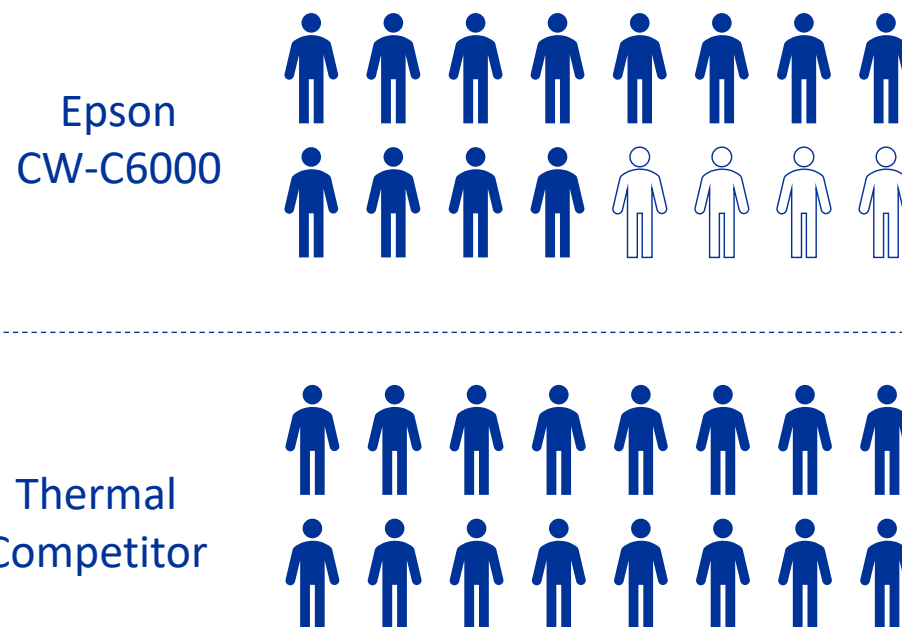
1 million labels[1]

PRECISIONCORE

Simple. Smart. Clean

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ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

The CW-C6000 required approximately

25% **less maintenance time,**

which can help increase productivity[1]

Epson CW-C6000

Thermal Competitor

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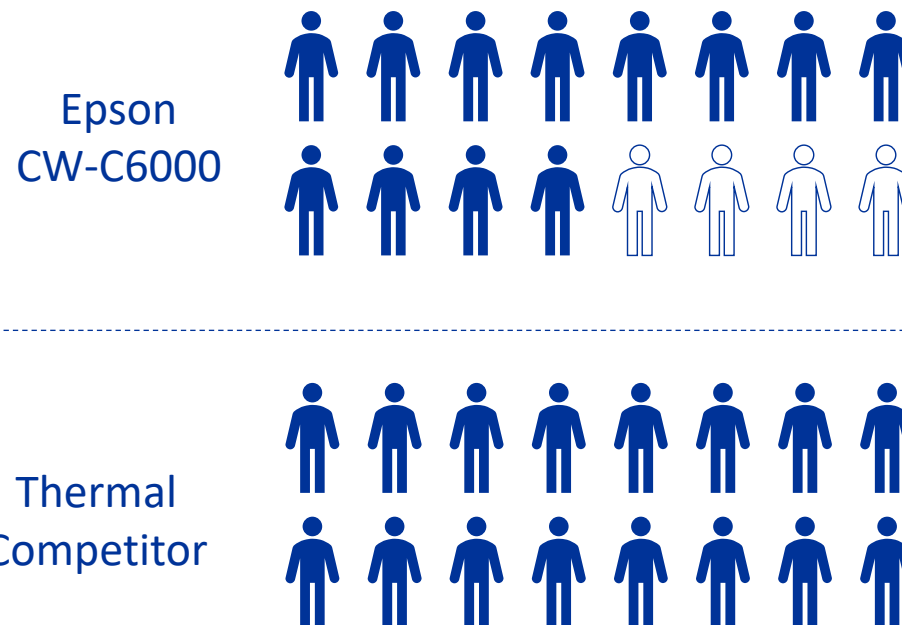
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ColorWorks
Do labels differently

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

Lower user intervention: Requires about

25%

less operator time

for consumables replacement, boosting user productivity[1]

first label → **to the** → **millionth** label[1]

Epson CW-C6000

Thermal Competitor

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ColorWorks
Do labels differently

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

Print up to
50% more labels

with Epson CW-C6000 ink cartridges vs. ribbons[1]

Epson
CW-C6000

Thermal
Competitor

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ColorWorks
Do labels differently

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

The CW-C6000 offers **faster** and **more** **user-friendly** set up and maintenance with **NO** **ribbon issues**[1]

[1] Keypoint Intelligence June 2024 performance evaluation, commissioned by Epson, of the ColorWorks C6000 vs. a top selling thermal transfer label printer over the course of printing 500,000 labels in a controlled environment and 500,000 labels in a warehouse environment

EPSON®
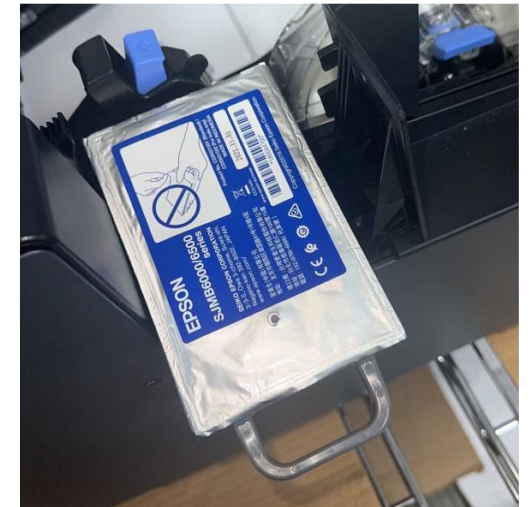
ColorWorks
Do labels differently

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

The CW-C6000 offered **faster** **hassle-free** consumable replacement with **NO** **ribbon issues**[2]
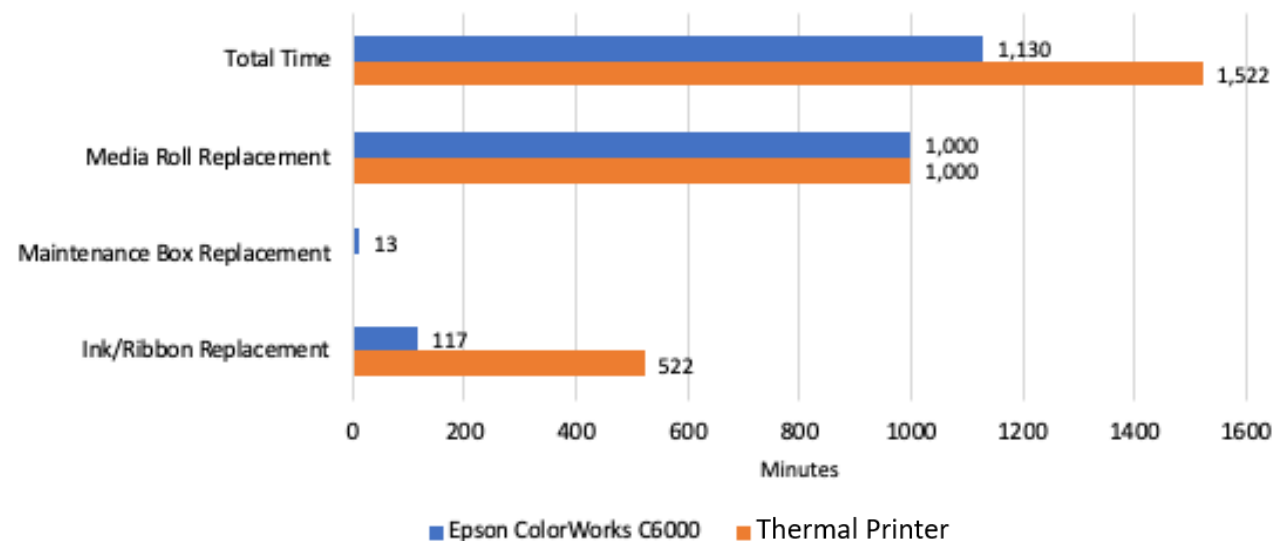

Epson CW-C6000 offers fast front access to ink bays. Simple click in ink cartridge loading process minimizes user intervention.

Epson CW-C6000 offers Straightforward and fast maintenance box replacement.

[2] Keypoint Intelligence June 2024 performance evaluation, commissioned by Epson, of the ColorWorks C6000 vs. a top selling thermal transfer label printer over the course of printing 1,000,000 labels in a controlled environment. Maintenance time measured from start to finish during consumables replacement

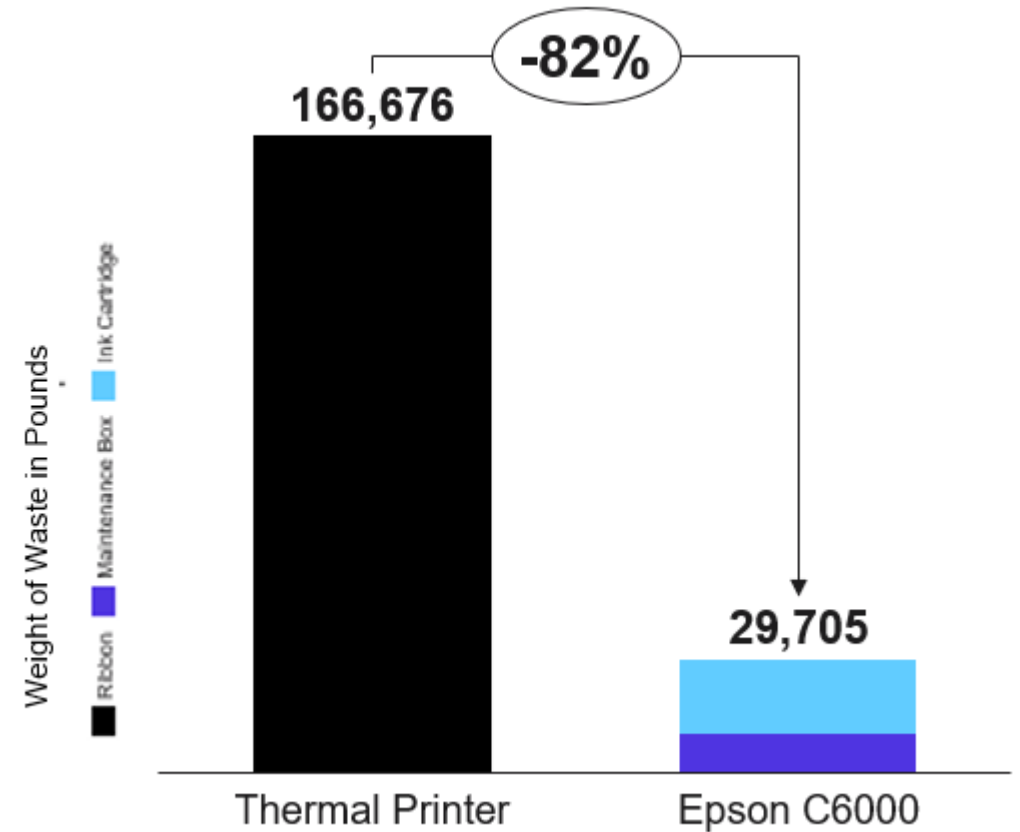**EPSON®**

ColorWorks
Do labels differently

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

The CW-C6000 offered **faster** **hassle-free** consumable replacement with **NO ribbon issues**[2]

Total Time — Epson ColorWorks C6000: 1,130; Thermal Printer: 1,522
Media Roll Replacement — Epson ColorWorks C6000: 1,000; Thermal Printer: 1,000
Maintenance Box Replacement — Epson ColorWorks C6000: 13
Ink/Ribbon Replacement — Epson ColorWorks C6000: 117; Thermal Printer: 522

Minutes

■ Epson ColorWorks C6000   ■ Thermal Printer

■ Epson CW-C6000
■ Thermal Printer

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Do labels differently

Less waste: CW-C6000 generated

82% less

consumable and packing

waste[3]

-82%

166,676

29,705

Weight of Waste in Pounds

Ink Cartridge
Maintenance Box
Ribbon

Thermal Printer   Epson C6000

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ColorWorks: Do labels differently

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

The Thermal Transfer printer generated **167** pounds of ribbon waste[3]

Thermal Printer
Consumable and packing
waste from 1 million labels

[3] Keypoint Intelligence June 2024 performance evaluation, commissioned by Epson, of the ColorWorks C6000 vs.a top selling thermal transfer label printer over the course of printing 1,000,000 labels in a controlled environment. Waste percentage calculated by total weight of spent consumables and packaging for the C6000 vs competitor product. June 2024

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ColorWorks
Do labels differently

ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

More energy efficient:
The CW-C6000
used

80% less

energy
consumption

while printing[4]
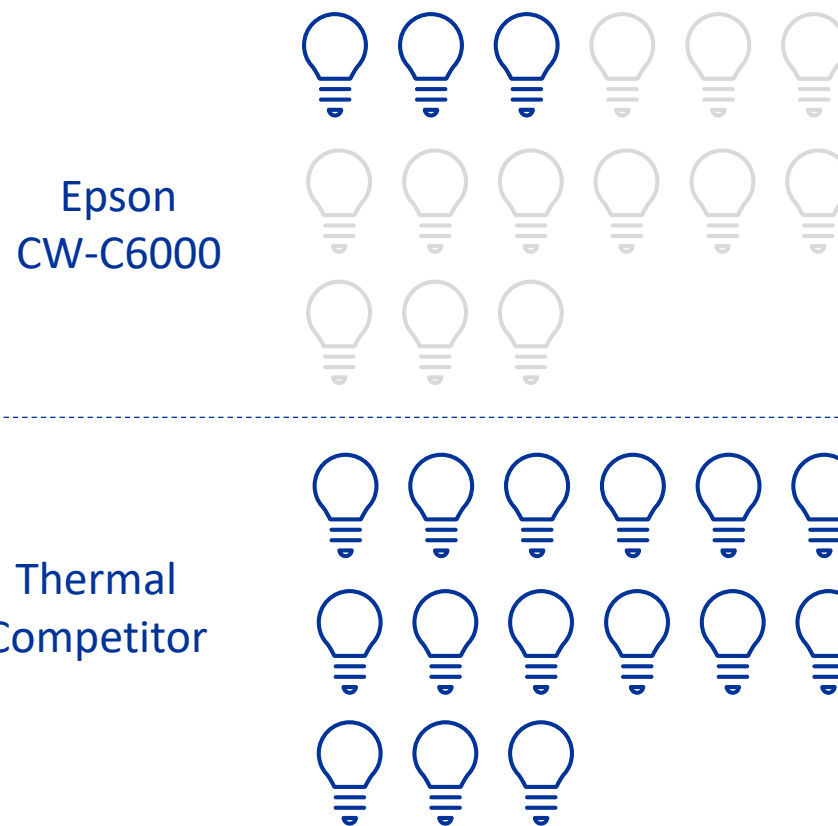
Epson
CW-C6000

Thermal
Competitor

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ColorWorks C6000 vs. a top selling thermal transfer label printer printing 1,000,000 labels

Thermal transfer technology **requires** **safe-handling** of the ribbon to avoid confidential or personal information to be **compromised**

Label

Carbon Copy

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Thank you

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