

VersaUV

PRINT & CUT LEC-300

Throughput & Ink Consumption Guide

Product Management
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Introduction

The ink consumption and throughput of several typical VersaUV applications such as labels, packaging and prints with raised special effects were measured and provided in this document.

This document is intended as a quick reference as the ink consumption and throughput may vary considerably depending on the type of image and the complexity of the workflow.

Automatic Light Cleaning

Automatic Light Cleaning is a new cleaning cycle exclusive for the VersaUV LEC-300 for ensuring optimal print quality with the white ink.

- Automatic Light Cleaning is executed automatically before printing a job if 10 min or more has passed from previous cleaning (manual cleaning or Automatic Light Cleaning)
- Automatic Light Cleaning is only performed on the White/Clear ink head
- The ink consumption and throughput data in this guide takes in consideration the “Automatic Light Cleaning” cycle

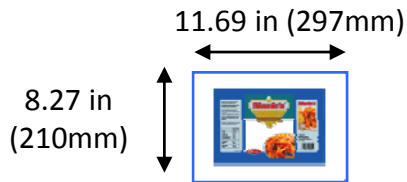
Automatic Light Cleaning

Affected Ink Channel	Amount of Ink Consumed	Execution Time
White and Clear	0.269 ml/color x 2 color = 0.54 ml	1min 20sec

Sample 1: Flexible Packaging

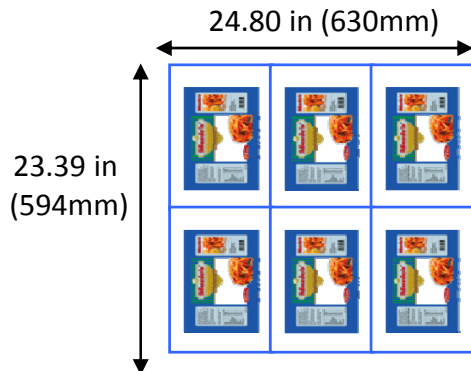
Workflow and Settings (CMYK+White)

Media	Tohcello: http://www.tohcello.co.jp/english/product/ BOPP film
Print mode	[Penne_package.ps] Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 6 x 8.5 in (152 x 216 mm) Generic, W->CMYK, High Quality, Uni-directional, Sign & Display



A4 x 1

Printing Time	Ink Consumption	Ink Cost
28min 5sec	2.26 ml	\$0.82



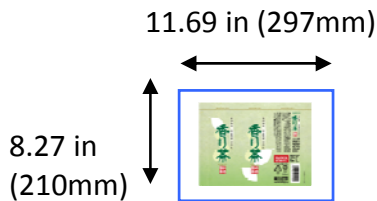
A4 x 6

Printing Time	Ink Consumption	Total Ink Cost / Cost per Copy
1h 23min 30sec	6.02 ml	\$2.19 / \$0.37

Sample 2 : Shrink Wrap for PET Bottle

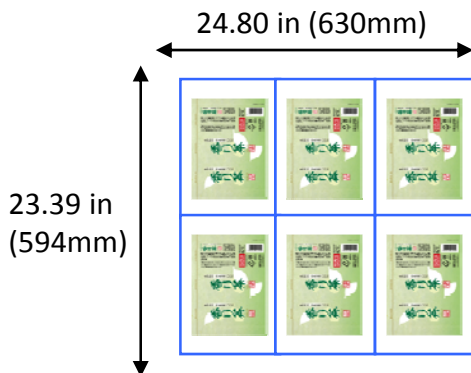
Workflow and Settings (CMYK + White)

Media	"Super-Kimo Art" Shrink PET film KIMOTO: http://www.kimoto.co.jp/english/index.html
Print mode	[Tea2_Color_White.ps] Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 6.4 x 8.5 in (162 x 216 mm) Generic, W->CMYK, High Quality, Uni-directional, MAX Impact



A4 x 1

Printing Time	Ink Consumption	Ink Cost
26min 3sec	2.21 ml	\$0.80



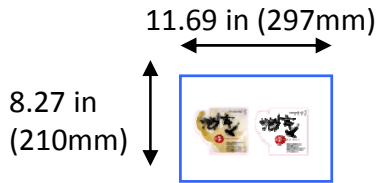
A4 x 6

Printing Time	Ink Consumption	Total Ink Cost / Cost per Copy
1h 20min 16sec	6.28 ml	\$2.28 / \$0.38

Sample 3 : Label on Gold PET Film

Workflow and Settings (CMYK + White and Contour Cutting)

Media	HL 50C PAT1 11BL Lintec: http://www.lintec.co.jp/english/
Print mode	[Label-Japanese_sake_ver2.ps] Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 3.6 x 4.2 in x 2 (92 x 187 mm x 2) Generic, W->CMYK, High Quality, Bi-directional, Sign & Display



A4 x 1

Printing and Cutting Time

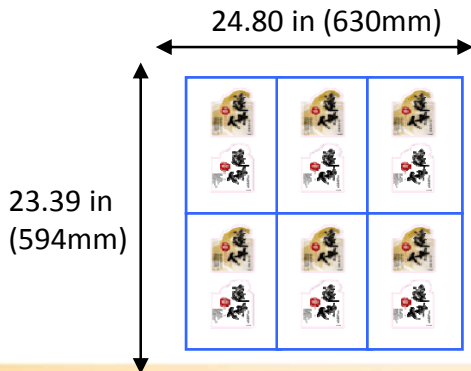
16min 33sec

Ink Consumption

1.32 ml

Ink Cost

\$0.48



A4 x 6

Printing and Cutting Time

47min 10sec

Ink Consumption

3.12 ml

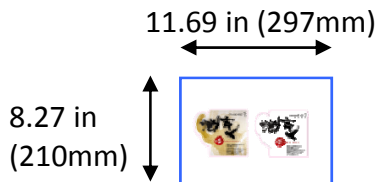
Total Ink Cost / Cost per Copy

\$1.13 / \$0.19

Sample 4 : Label on Japanese Rice Paper

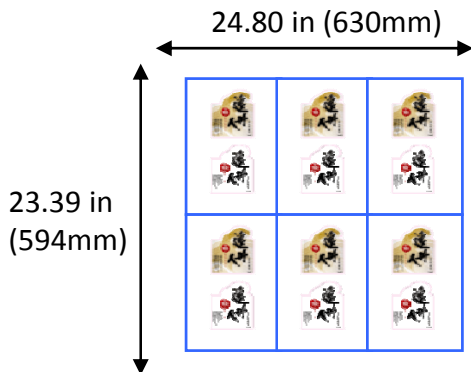
Workflow and Settings (CMYK + Clear and Contour Cutting)

Media	SS Tenrei White PW Lintec: http://www.lintec.co.jp/english/
Print mode	Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 3.6 x 4.2 in x 2 (92 x 187 mm x 2) 1. [Label-Japanese sake.ps] Generic, CMYK, Standard, Bi-directional, MAX Impact 2. [Label-Japanese sake.ps] Special effects, GlossVarnish, High speed, Bi-directional



A4 x 1

Printing and Cutting Time	Ink Consumption	Ink Cost
7min 51sec	0.85 ml	\$0.31



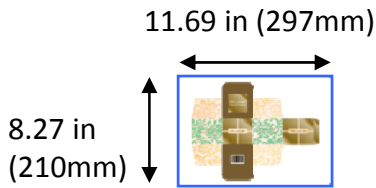
A4 x 6

Printing and Cutting Time	Ink Consumption	Total Ink Cost / Cost per Copy
17min 55sec	1.94 ml	\$0.71 / \$0.12

Sample 5 : Cosmetic Packaging on Coated Carton Paper

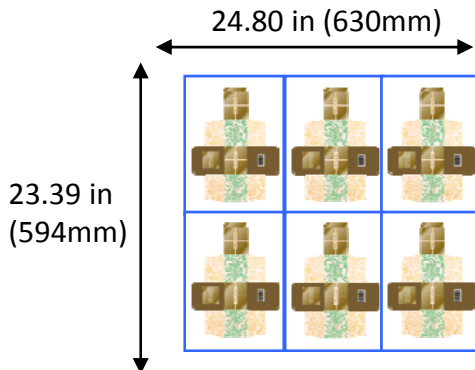
Workflow and Settings (CMYK + Clear)

Media	ESPLICOAT, cast coated folding carton Nippon Paper Group; http://www.np-g.com/e/products/index.html
Print mode	Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 7.1 x 9.4 in (181 x 240 mm) 1. [Cosmetic package.ps] Generic, CMYK, High Quality, Bi-directional, Sign & Display 2. [Cosmetic package.ps] Special effects, Embossing, High Quality, Bi-directional



A4 x 1

Printing Time	Ink Consumption	Ink Cost
14min 30sec	1.23 ml	\$0.45



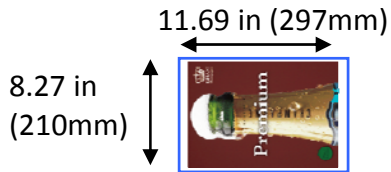
A4 x 6

Printing Time	Ink Consumption	Total Ink Cost / Cost per Copy
38min 50sec	3.73 ml	\$1.36 / \$0.23

Sample 6 : Poster with Raised Special Effects on Coated Paper

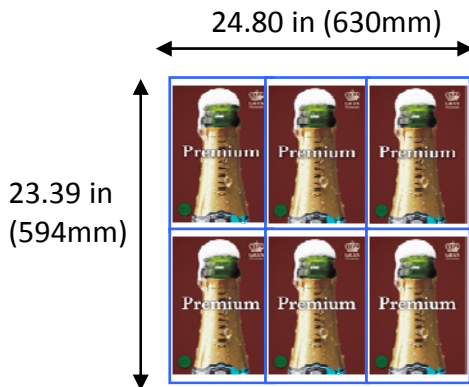
Workflow and Settings (CMYK + Clear)

Media	Coated paper for offset printing
Print mode	Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 8 x 11.3 in (203 x 288 mm) 1. [Champaign CMYK.ps] Generic, CMYK, High Quality, Bi-directional, Sign & Display 2. [Champaign GLOSS1.ps] Special effects, GlossVarnish, High Quality, Bi-directional 3. [Champaign GLOSS2.ps] Special effects, MatteVarnish, High Quality, Bi-directional, Overprint x 2



A4 x 1

Printing Time	Ink Consumption	Ink Cost
19min 56sec	3.15 ml	\$1.15



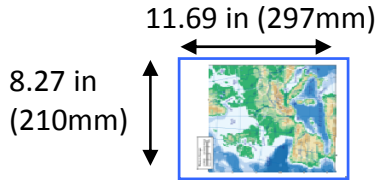
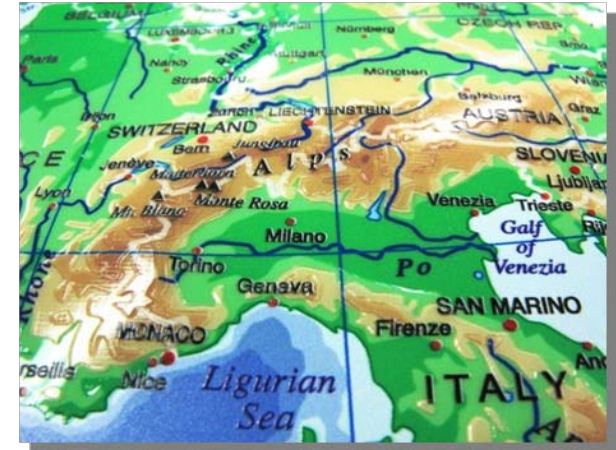
A4 x 6

Printing Time	Ink Consumption	Total Ink Cost / Cost per Copy
59min 35sec	10.60 ml	\$3.85 / \$0.64

Sample 7 : Map with Raised Textures

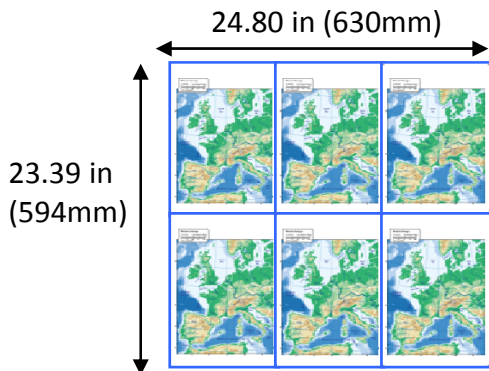
Workflow and Settings (CMYK + Clear)

Media	Sihl Durasol series Sihl; http://www.sihl.ch/content/default.aspx
Print mode	Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 7.6 x 9.8 in (194 x 248 mm) 1. [Map1.ps] Generic, CMYK, High Quality, Bi-directional, Sign & Display 2. [Map2.ps] Special effects, GlossVarnish, High Quality, Bi-directional 3. [Map3.ps] Special effects, GlossVarnish, High Quality, Bi-directional 4. [Map4.ps] Special effects, MatteVarnish, High Quality, Bi-directional, Overprint x 3 5. [Map5.ps] Special effects, MatteVarnish, High Quality, Bi-directional, Overprint x 3 6. [Map6.ps] Special effects, MatteVarnish, High Quality, Bi-directional, Overprint x 3 7. [Map7.ps] Generic, W->CMYK, High Quality, Bi-directional, Sign & Display



A4 x 1

Printing Time	Ink Consumption	Ink Cost
1h 19min 12sec	4.79 ml	\$1.74



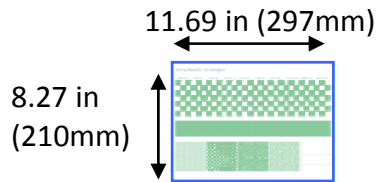
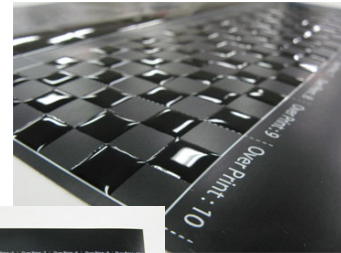
A4 x 6

Printing Time	Ink Consumption	Total Ink Cost / Cost per Copy
3h 31min 12sec	19.01 ml	\$6.91 / \$1.15

Sample 8 : Special Effects

Workflow and Settings (White + Clear)

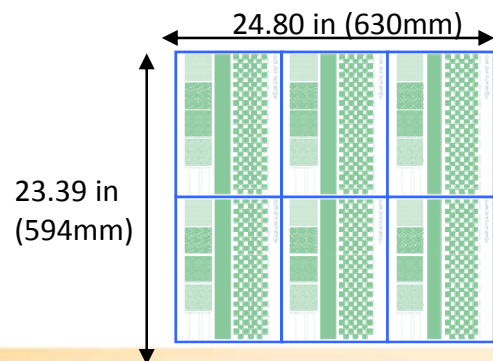
Media	Viewcal VC501UVR Lintec: http://www.lintec.co.jp/english/
Print mode	<p>Page size: 8.27 x 11.69 in (210 x 297 mm) Image size: 7.6 x 11.5 in (194 x 291 mm)</p> <ol style="list-style-type: none"> [Gloss_White.ps] Generic, White, High Quality, Bi-directional, Sign&Display [Gloss_1.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_2.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_3.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_4.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_5.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_6.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_7.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_8.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_9.ps] Special Effects, GlossVarnish, High Quality, Bi-directional [Gloss_10.ps] Special Effects, GlossVarnish, High Quality, Bi-directional



A4 x 1



Printing Time	Ink Consumption	Ink Cost
51min 9sec	6.10 ml	\$2.22



A4 x 6



Printing Time	Ink Consumption	Total Ink Cost / Cost per Copy
2h 29min 26sec	26.64 ml	\$9.69 / \$1.61