The »4-in-1« minilab!
MSC 101.d

AGFA ◆ *Agfa*

Compact, automatic, versatile –
the all-rounder MSC 101.d.

How valuable is space for your business?

With its compact 1.3 m² (14 sq.ft.) footprint and user-friendly operation, the MSC 101.d is the perfect solution for boosting your profitability – today and in the future. Utilise your valuable floor space with a promising business solution that offers a substantial profit potential.

1.3 m²/14 sq.ft.
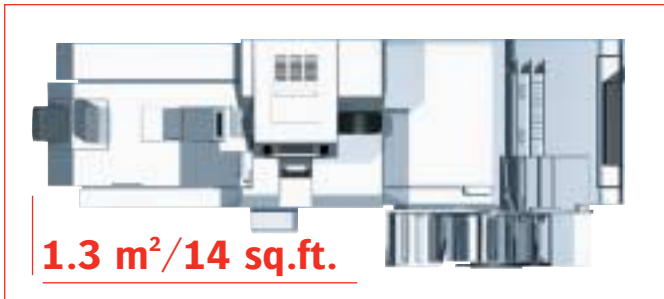
What makes a first-run print rate so special?

Agfa TFS (Total Film Scanning) technology delivers an exceptional first-run print rate, which means excellent print quality is automatic! With less paper waste and true walk-away printing.

A complete business solution – all in one unit?

The MSC 101.d "Film on CD" package is an "Enhanced 4-in-1" business solution of the future – ideal for people who want film processing, scanning, printing, and digital services all in one unit – now with CD-burning!

The versatility of the MSC 101.d lets you respond directly to your customers' needs. Analog and digital print orders are processed conveniently. The result is a variety of outstanding print products – and it's all automatic!

Explore the digital capabilities
of the MSC 101.d.

With the MSC 101.d, you are ready to meet today's challenges and the growing demands of a rapidly changing digital world.

The Agfa FIT system combines the advantages of both analog and digital technologies into one unit. This makes it possible to process analog media like 35 mm film and digital image files from any source and print them on high-quality photographic paper.

A whole new dimension of digital input options is at your fingertips. Working in combination with the Agfa e-box digital order station you have a complete production line for digital workflow in addition to your analog workflow. This combination provides high-quality prints from digital data sources and fast processing of digital print orders.

Agfa TFS delivers outstanding print quality. It also gives you more time to serve your customers.

This pays off as it not only improves customer satisfaction, it keeps them coming back for repeat business and helps secure your future profits.

Agfa TFS helps secure your future profits!

digital input
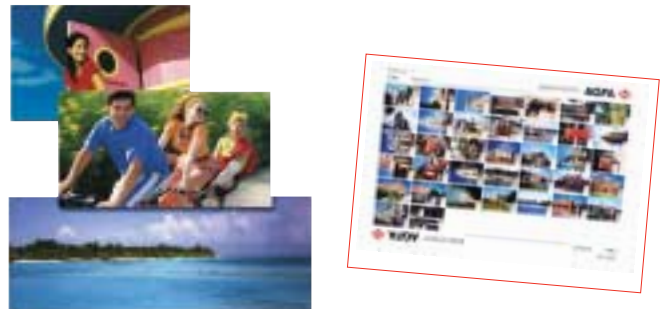orders

Fit for the future.

Film processor, printer (analog and digital), and paper processor are all combined into one unit (4-in-1). This advanced technology takes up only 1.3 m² (14 sq.ft.) of space.

In addition to the proven analog print system, the MSC 101.d offers a fully-integrated FIT system capable of printing digital images from virtually any source on high-quality photographic paper.

Lamp

Filter Unit

Mirror Box

Zoom

FIT 4″

Lamp

Filter Unit

Mirror Box

Zoom

FIT 8″
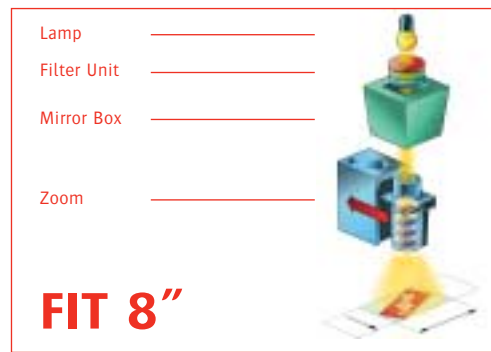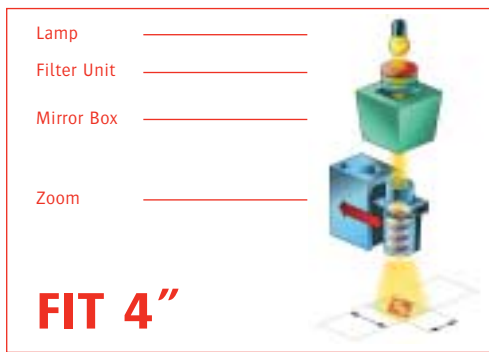
Along with the image processor and camera kit, the FIT system includes two lenses with integrated high-resolution LCDs. This makes it possible to print standard formats from digital image data or enlargements up to 8″ x 10″. FIT 4″ is used to print up to 12 cm x 15 cm (4″ x 6″) images. FIT 8″ is designed for 20 cm x 25 cm (8″ x 10″) enlargements. The individual application depends on the preferred level of throughput and print quality.

All standard film types (135, IX240, 110, 120, and 220) can be processed on the MSC 101.d. The different image formats (standard, panorama) are printed in the same print run just like the index print – automatically.

Convenience at the touch of a button.

From film processing to the final print. Initial orders from 135 film are processed automatically. The end of the film is simply attached to the leader card, placed into the film cassette, and inserted into the MSC 101.d. Everything else is done automatically.

Processing re-orders on the printer while initial orders are being developed in the film processor is as easy as pressing a button. Changing paper sizes in analog or digital print modes is just as easy. Four different print sizes are available instantly thanks to the integrated Twin Cassette system. An on-screen paper consumption indicator simplifies everyday operations.
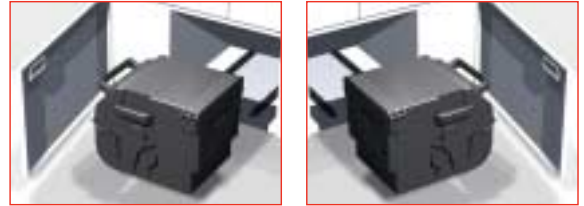
The paper is cut from a roll before being exposed. This greatly minimises paper waste.

Analog and digital modes offer priority management and batch processing.

Operation is extremely easy thanks to on-screen dialogue, plain text displays, and intuitive keypad layout. A clearly identifiable key at the side of the screen is assigned for main menu functions. This helps new operators learn to process standard and special orders quickly and reduces training time to a minimum. An integrated on-screen help function guides operators through special request procedures.

Additional helpful features:
▶ Timer
▶ Automatic System Calibration (ASC) with integrated test negative, densitometer, and paper calibration management
▶ Automatic water evaporation balance
▶ Backprint options
▶ Integrated meters for accurate consumption control

These features combined with the proven Agfa TFS technology ensure excellent print quality automatically.
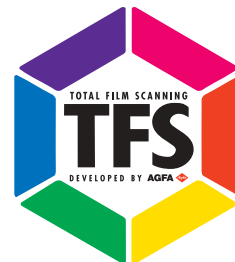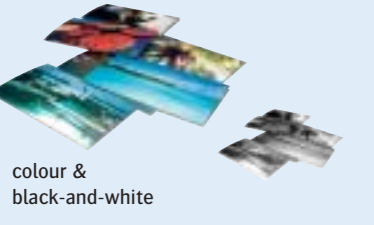
Input

135 negatives

120/220 negatives

APS films

110 negatives

PCCard

CD-ROM/CD-R/CD-RW

CompactFlash Card

SmartMedia Card

ZIPdiskette

Multimedia Card

Sony Memory Stick

Diskette

Digital

colour &
black-and-white

Print

Home User Software

Client
Software

AGFA **net**
print service

AGFA **net**
web album

www

Digital Order Station

1:1 Connection

e-box & scanner

File to CD

Digital Imaging Workstation

1:1 Connection

pixtasy

Film on CD

"Film on CD" solution

Multiple Connections

Customer

Monitor

Keyboard

e.g. Sony Filmscanner UY-S100

Filmscanning

Agfa

IP3

CD recorder

PC
Film on CD*

* • "Film on CD" software preinstalled
• Transfer software preinstalled
• d-workflow software preinstalled

Filmscanning

d-TFS Scanning & Printing

Vista

APS Cartridge

MSC 101 d
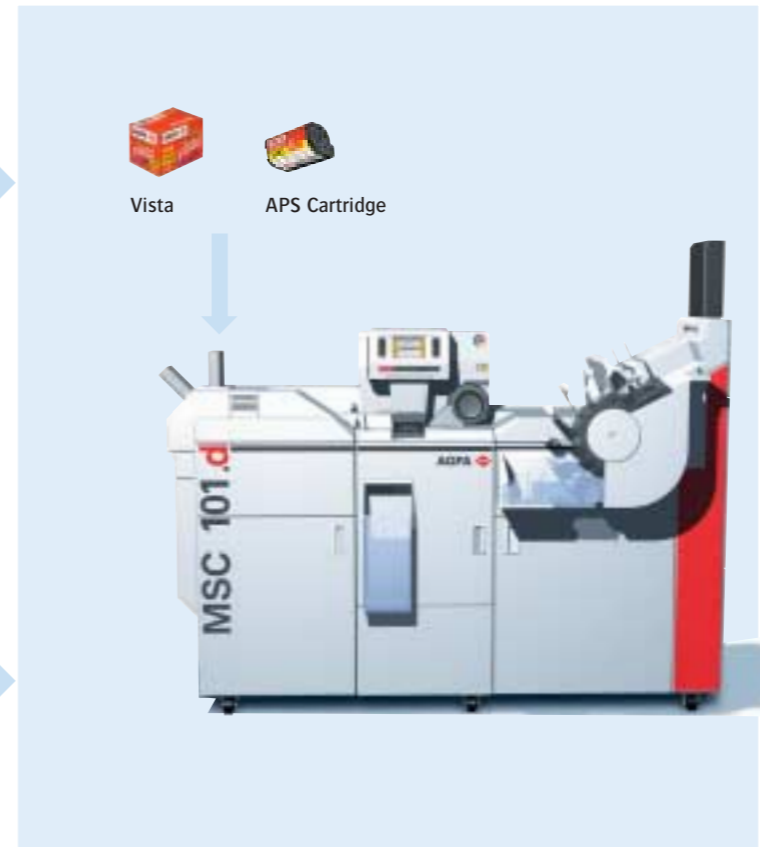
Output

Colour &
black-and-white
prints up to
**20 x 30 cm /
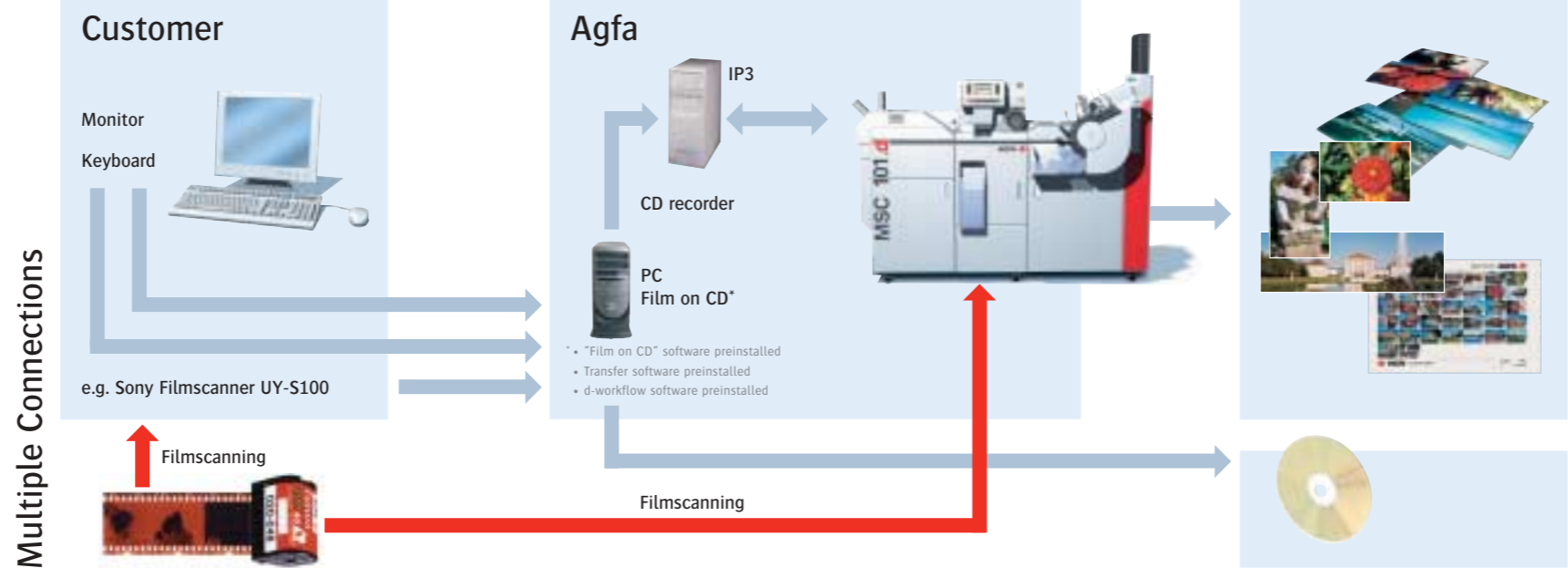8 x 12 inches**

APS C-size

APS H-size

APS P-size

Index prints

Standard

Border prints

Prints with text

Name cards

Greeting cards

Passport photos

Package prints

Special

CD

Diskette

ZIP
diskette

Digital

Flexible imaging technology.

	FIT 4″	FIT 8″
Lens construction (principle)	Optical axis —————— High resolution LCD —————— 1,024 x 1,280 pixels Plug for the electrical connection ——————	—————— Condensor lens —————— Imaging lens
Max. print format	12.5 cm x 15.5 cm/4″ x 6″	20.3 cm x 25.4 cm/8″ x 10″
Print formats (standard)	7 cm x 10 cm/$2^1/_2$″ x 4″ 9 cm x 13 cm/$3^1/_2$″ x 5″ 10 cm x 15 cm/4″ x 6″ 12 cm x 15 cm/$4^1/_2$″ x 6″ 15 cm x 25 cm/6″ x 10″ (jumbo index print)	13 cm x 18 cm/5″ x 7″ 15 cm x 20 cm/6″ x 8″ 20 cm x 25 cm/8″ x 10″ 20 cm x 25 cm/8″ x 10″ (jumbo index print)
Productivity based on jpg-file 500KB/10x15cm/4″x 6″	400 prints/hour	200 prints/hour
LCD resolution	1,024 x 1,280 pixels	1,024 x 1,280 pixels
Print quality	Advanced amateur level	Amateur level

Previous Agfa MSC 101 models can be upgraded to the FIT system.
This requires a FIT 4″ lens, new image processor, camera kit, and FIT conversion kit.
A FIT 8″ lens is optional.

MSC 101.d
Technical data

Film Processor		
	Film formats	135, IX240, 120/220, 110
	Chemicals	MSC 101 film chemicals
	Replenishing	Automatic
	Evaporation balance	Automatic
	Feed system	Leader card
	Throughput speed	65 cm/min or 26″/min
	Processing time (incl. drying)	9 min 20 sec
	Processing tanks	CD: approx. 11.4 l / BL: approx. 3.4 l / FX: approx. 2 x 2.9 l / SB: approx. 3 x 1.8 l
	Replenishing tanks	6 l per bath
	Effluent tanks	CD: 3.0 l / BL: 1.7 l / FX: 3.0 l / SB: 3.0 l

Printer Analog		
	Negative formats	135 (F/H/P/HV), IX240, 120 ($4\frac{1}{2}$ x 6 / 6 x 6 / 6 x 7 / 6 x 8 / 6 x 9), 220
	Print formats (mm/inches)	82 x 120 mm to 210 x 305 mm; panorama 89 x 254 mm and 102 x 305 mm 3″ x $4\frac{1}{2}$″ to $8\frac{1}{4}$″ x 12″; panorama $3\frac{1}{2}$″ x 10″ and 4″ x 12″
	Scanner system	Agfa Total Film Scanning TFS, true single-channel for all film brands, types, formats
	Lenses	Zoom for 135, IX240, 110 formats Variable focus lens for 120/220/IX240 film formats (optional) Optional lenses (see accessories brochure)

MSC 101.d
Technical data

Digital (FIT)	**File formats**	jpg, bmp
	File size	Unlimited
	Scanner	LCD
	Print formats	Max. 209 x 261 mm / 8″ x 10″
Analog and Digital	**Paper widths mm (inches)**	82 ($3\frac{1}{4}$″), 89 ($3\frac{1}{2}$″), 95 ($3\frac{3}{4}$″), 102 (4″), 120 ($4\frac{3}{4}$″), 127 (5″), 152 (6″), 165 ($6\frac{1}{2}$″), 178 (7″), 203 (8″), 210 ($8\frac{1}{4}$″)
	Paper magazine	2 x 180 m / 2 x 590 ft
Paper Processor	**Process**	MSC 101 paper chemicals
	Replenishing	MSC 101 tank kit
	Evaporation balance	Automatic
	Paper feed	Sheet/roller transport, double lane transport up to paper width < 102 mm / 4″
	Throughput speed	141 cm/min or 56″/min
	Processing time (incl. drying)	3 min 39 sec
	Processing tanks	CD: approx. 9.1 l / BX: approx. 9.1 l / SB: approx. 4 x 5.3 l
	Replenishing tanks	CD: 7 l / BX: 7 l / SB: 7 l
	Effluent tanks	CD: 3.4 l / BX: 4.4 l / SB: 5.0 l

MSC 101.d
Technical data

<table>
<tr><td rowspan="5">Performance</td><td>Film processor to
paper processor</td><td colspan="2">Fully automatic processing
25 films (135/24)/hour for print format 10 x 15 cm / 4″ x 6″
Processing time from film insertion to first print: 14 min 55 sec</td></tr>
<tr><td>Printer/paper
processor
<b style="color:red">Film format 135/24</td>
<td>89 mm x 127 mm
$3^1/_2$″ x 5″
102 mm x 152 mm
4″ x 6″

210 mm x 305 mm
$8^1/_4$″ x 12″</td>
<td>750 prints/hour (effective)
910 prints/hour (multiprints)
700 prints/hour (effective)
850 prints/hour (multiprints)
27 films/hour (first copy + index print)
220 prints/hour (effective)
230 prints/hour (multiprints)</td></tr>
<tr><td><b style="color:red">Film format IX240</td>
<td>89 mm/$3^1/_2$″ paper width
102 mm/4″ paper width
Digital (500 KB jpg file -> 10 x 15 cm/4″ x 6″)
152 mm/6″ paper width</td>
<td>27 films/hour
26 films/hour

400 prints/hour (FIT 4″)</td></tr>
</table>

<table>
<tr><td rowspan="5">Miscellaneous</td><td>Dimensions (l x w x h)</td><td colspan="4">207 cm x 60 cm x 181 cm / 82″ x 24″ x 71″ (excl. sorter)</td></tr>
<tr><td>Required room height</td><td colspan="4">195 cm / 77″</td></tr>
<tr><td>Weight</td><td colspan="4">610 kg / 1,600 lbs (empty); 710 kg / 1,740 lbs (incl. chemicals)</td></tr>
<tr><td>Electrical power</td>
<td>1 N~:
3 N~:
3 ~:</td>
<td>230-240V
230/400V
208V</td>
<td>50/60Hz
50/60Hz
50/60Hz</td>
<td>max. 18A
max. 16A
max. 18A</td></tr>
<tr><td>Order code</td><td colspan="4">SH3OA includes: MSC 101.d basic machine, FIT package (FIT 4″ and FIT 8″), Image Processor IP3, Camerakit 3, APS negative carrier, APS Cartridge feeder, Greeting card unit, X/Y mask, PC ″Film on CD″ and mouse including ″Film on CD″ software preinstalled, transfer software preinstalled, d-workflow software preinstalled</td></tr>
</table>

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