MASTER PLUS

COMPACT

MULTIPURPOSE

GRETAG COLOR SCIENCE
& TECHNOLOGIES

GRETAG
USER INTERFACE

HEAVY-DUTY

Compact

The highest-space economy for digital minilabs

Master Plus is a 5-in-1 digital minilab and occupies only **1.35 m^2** of retail space.
Its extremely compact architecture comprises a film
and paper processor, a high-capacity film scanner, a digital printer,
an LCD touch-screen monitor in one single unit.
Its space-saving design releases valuable and additional
space for profitable retailing.

Expand your sales with a perfect retail-based system!

1,100 p/h

Max Format:

8"x12"

Footprint:

1,35 m^2

Its accurate and appealing industrial design allows
you to place the minilab anywhere:
in the center of your shop or backed-up against the wall!

The long-time proven components together
with SMI Group renowned expertise in wet parts certify
the heavy-duty construction of **Master Plus**.

Multitasking & Versatile

Business-building Opportunities in Real Time

Master Plus is the only minilab equipped with multi-tasking software. While processing an order the attention can be directed to the next one or to other specialty services. On the same equipment, of course, because **Master Plus** includes everything in one single unit and performs all services in real time.

Films

Digital Camera
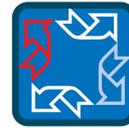
Digital Media

INPUT

OUTPUT

Prints

Digital Service

Digital Writing Service

Multitasking & Versatile
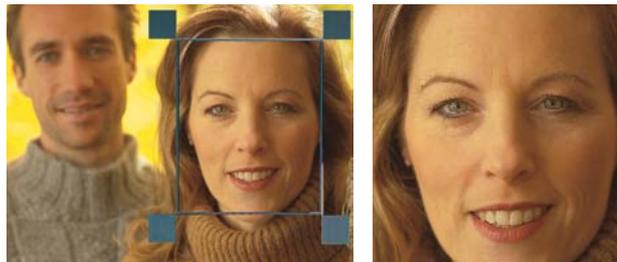
Business-building Opportunities in Real Time

Master Plus helps you satisfy the whims of your customers simply and quickly: calendars with individual pictures, a distinctive border around the most promising photos, conversion of color images to B&W…. the possibilities are boundless!

Built-in CD-burning in real time

Frames and Calendars

Text Addings and Greeting Cards

Merry
Xmas

John & Mary

Best friends!

Cropping

Semi-automatic red-eye removal

Gretag User Interface

Simple & Efficient

A large 17" LCD touch screen monitor with unmistakable icons increases operating comfort and the unique, proprietary software interface guarantees easy operation with minimal training. Time-consuming explanations belong to the past: when processing a new order, only two buttons are needed!

The overall intuitive system improves workflow management and optimizes the entire operation cycle.

Dual Paper Magazine for Smooth Operation & Handling

By loading rolls of different widths the standard built-in dual paper magazine makes it easier and quicker to switch back and forth between sizes. When loaded with the same paper width, it allows smooth continuation of printing without interruptions to change paper.

Gretag Color Science and Technologies

Worldwide renowned expertise in color science

The jewels of former Gretag technologies - image enhancement and scanning technology - are fully embedded in **Master Plus**. SMI Group undisputed know-how in color science is now applied not only on films but also on digital files.

Responding to the growing number of digital images, a new technology has been developed specifically for automatic corrections on digital files. Based on the unmatched results obtained on films with the Eye-Tech Scanning™ and LODECO™ technologies the new d!pep™ assures automatic correction and enhancement on images coming from digital files.

d!pep™: Digital Picture Enhancement Process

Instant corrections, instead of endless tweaking, provide superior quality for all consumers: no specialist's labor and expertise needed. Without requiring the operator's attention it helps keeping your minilab busy and your staff free to take care of customers!

Auto color: detects & enhances skin tones   Auto color: enhances pictures with vegetation and sky

The automatic color correction function has been trained out on more than 40,000 hand-corrected images and tested on millions of images in leading labs! With this function image colors become more vivid and closer to reality!

The automatic contrast function optimizes global and local contrast based on advanced image content analysis. It recovers details in the shadows without blowing out the highlights.

Auto contrast: boosts both overall and local contrast

Gretag Color Science and Technologies

Worldwide renowned expertise in color science

Eye-Tech Scanning™ technology and **LOcal DEnsity COntrol** are the only reliable solutions for automatic corrections on films to make your image perfect.

- **Eye-Tech Scanning™** technology guarantees reliable analysis for optimal image rendering: even difficult-to-print images are automatically corrected.
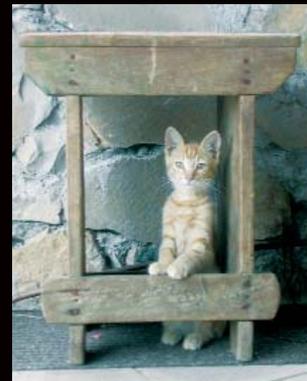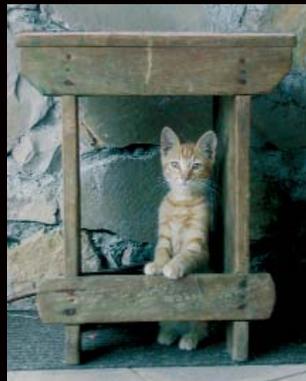

with standard film correction

with Eye-Tech Scanning™

- **LOcal DEnsity COntrol** assures unfailing control of flashlight, backlight, image sharpness and contrast.

Boosts both overall and local contrast

Recovers details both in shadows & highlights

Gretag Color Science and Technologies

Save time while adding professionalism!

Gretag proprietary high capacity film scanner ensures high quality pictures at first run and reduces makeovers.
The scanner with automatic film recognition identifies the different types of films and the precise position of the negative.
You can forget having to change the film deck.
Master Plus switches automatically between the different formats (135, APS, 110).
Wasn't it always your dream to have more time for your customers?
Master Plus fulfils this need!

In addition, the standard Digital ICE™ software is automatically applied to remove undesired dust and scratches on the film. This technology uses infrared light to pinpoint any elements of dust and scratches and automatically corrects them by extrapolating image data from the surrounding area.
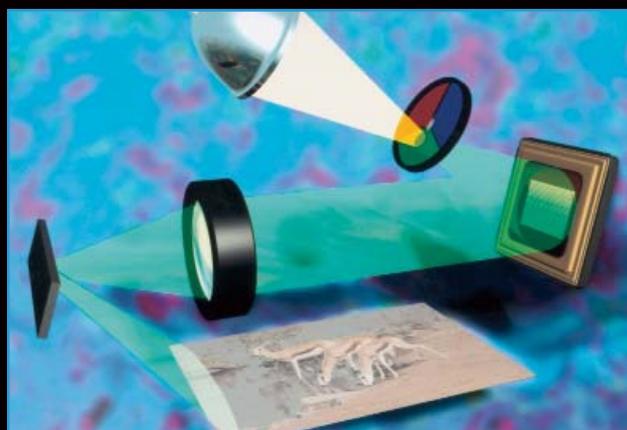
Gretag Color Science and Technologies

Save time while adding professionalism!

Digital Technology

SMI Group digital imaging technologies make the difference in quality output.
At the heart of **Master Plus** is a Digital Micro Mirror Device™ (DMD™).
This DMD™ chip is driven by sophisticated electronics and in combination
with an ingenious optical system they constitute the Digital Light Processing™
technology.
This state-of-the art technology utilizes digital control to integrate
1.3 million microscopic mirrors (16-micron-square) onto a single chip.
The result is maximum color fidelity, high resolution and high capacity.

Thanks to its technology **Master Plus** reaches a productivity of 1,100 prints
per hour and a maximum format of 8"x12".

This highly reliable technology rarely requires maintenance.
On the contrary it increases your workflow efficiency, leading to reduced
failures and service costs.

The consistent and steady DLP™ technology employed in the exposure system
together with automatic image enhancement and the unique software interface
assure hands-off operation. This results in fewer rejects, first-run quality prints
and more time for your customer!

RESOLUTION
300 DPI

Master Plus. Technical Specifications.

Film Processor
Chemical Process:	C-41 RA NP
Technology:	LVTT (low volume thin tank)
Film Formats:	110, 135, 120, and IX-240 (APS)
Processing Capacity:	40 rolls per hour (135-24)
Processing Time:	11 min 25 sec dry-to-dry
Replenishment System:	Internal or external
Chemistry Level Control:	Automatic evaporation compensation

Film Scanner
Film Formats:	110, 135 and IX-240 (APS)
Scanning Capacity:	1000 frames/hour
Scanning Method:	Area CCD
Resolution:	110 1200x1600 pixels
	135 1400x2100 pixels
	APS 1200x2100 pixels
Dust & Scratch Removal:	Automatically done with Digital ICE™ software
Image Viewer:	Automatic image viewer of film frames saved on CD

Digital Media
Digital Input/Output:	Compact Flash™, Smart Media™, PCMCIA, Sony Memory Stick, SD, MMC, USB2 Memory Card, CD-R/WR, Floppy Disk, ZIP; Internet, LAN

Image Data Management
Automatic Correction & Optimization:	d!pep™ for digital picture enhancement
	Eye-Tech Scanning™ for under/overexposure, color shift, artificial light
	LOcal DEnsity COntrol for contrast and sharpening
Buffer Storage Capacity:	40 orders (135/24 exp. – high resolution)
Composition tools:	Text, frames, calendars, packages, passport prints, greeting cards, cropping, red-eye removal.

Printer
Technology:	DLP™, Digital Light Processing (from TI)
Resolution:	Up to 300 dpi
Print sizes:	From 3.5"x5" (89x127 mm) up to 8"x12" (203x305 mm)
Capacity:	1,100 prints per hour (3.5"x5)
Monitor:	17" Touch screen LCD monitor
PC:	Built-in

Paper Processor
Chemical Process:	RA-4 NP
Technology:	LVTT (low volume thin tank)
Paper Transport System:	Single Sheet
Replenishment System:	Internal or external
Chemistry Level Control:	Automatic evaporation compensation

Accessories
Dual Paper Magazine:	Included
Back-Printing Unit:	2-line impact printing unit up to 80 characters
Densitometer:	Built-in (SSR Macbeth)

System
Footprint:	1.35 m^2/14.6 square feet
Dimensions (mm):	1560 (L) x 870 (W) x 1975 (H) mm
Weight:	615 kg (empty), 685 kg (with chemicals)
Power Requirements:	4.0 kvA max, (working 3.8 kvA)
	220V/240V single or three phase (50-60 Hz)
	380V/415V three phase neutral (50-60 Hz)

emotions through images