



SwiftLaser™ Printer Solution

SwiftLaser is an ideal printer solution for your government to citizen ID programs that offer you the ability to incorporate both laser and colour printing onto your ID1 card format.

SwiftLaser provides a range of security features such as Electronic Guilloche, High-Resolution Gradient UV Printing, Micro Text, CLI or MLI, Tactile Effect, Auto-positioning Vision Camera and a variety of custom holographic overlay and laminates.

We offer our customers the ability to build their systems based on their ID1 card programs. KISG provides a range of modules that offer customers flexibility and modularity and the choice to add in Laser and Lamination to their Swiftpro™ Retransfer card printer.



Reliability

- ✓ Swiftpro K-Series is well respected globally for its Japanese engineering for quality and reliability
- ✓ Laser module manufactured by the world leaders in desktop laser systems for its Italian engineering for quality and reliability
- ✓ Ease of use, operations and maintenance with minimal downtime provides the customer with efficient solutions for their card programs
- ✓ Print-on-demand or print farm application
- ✓ Hundreds and thousands of units installed globally within a multitude of vertical markets



Security

- ✓ High-Resolution Laser Engraving 1200 DPI with 600 DPI Color Retransfer Printing
- ✓ UV printing, Auto-positioning Vision Camera and Optional CLI or MLI
- ✓ The ribbon erases function prevents leakage of personal information on the (K-Panel) of the colour ribbon. It scrambles information beyond recognition to protect this data
- ✓ Solenoid locks for hopper and supplies prevent theft on Retransfer Module and Key lock on the Laser Module



Versatility

- ✓ Retransfer Color 300 or 600 DPI Printing with Optional 1200 DPI Laser Card Personalisation Module and Inline Laminator for custom Holographic Laminates and Overlay for Security and Enhanced Durability
- ✓ SwiftLaser modular design permits customers to upgrade as their card programs need changes
- ✓ Upgrade modules availability from simplex printing to duplex printing, add encoding options and bend remedy, with KIS Global Service Training Programme for our Premiere Channel Partners
- ✓ Minimal training is required because of its simple design and intuitive operation



Image Quality

- ✓ High Resolution printing using 300 and 600 dpi printing provides superior print quality for all your card programs
- ✓ Superior print quality for bar codes, fine images and small font printing different technology cards and a multitude of different card substrates makes this an ideal choice



Durability

- ✓ Highly durable printers with industry-leading warranties on all our products and lifetime on the print head
- ✓ The K-Series of retransfer printers combined with Module Laser Unit offers sustainable solutions for all markets with optional laminators for added durability and security for your card programs from student ID cards to citizen ID cards



Innovation

- ✓ Innovating since the 90's with state of the art retransfer printers, providing safe, secure, and reliable ID card printer solutions to global organisations since 1989
- ✓ Following the launch of the first thermal transfer printer over two decades ago, we have continued to pioneer disruptive technologies such as ribbon erase, debow and electronic locks to establish ourselves as market leaders in the retransfer printing market
- ✓ Working in Partnership with leading Laser manufacturer and leaders in desktop ID1 card personalisation laser system since 2003 with over 2300 Systems installed globally



Retransfer Printing

Optional K30, K30D and K60 Retransfer Printers

Dye Sublimation Retransfer

Full Color Retransfer printing

Single and Double Sided Printing

256 Graduation Printing

Over the Edge Printing on CR80, ID-1 Card Formats

Standard Features

300 or 600 DPI Options

USB & Ethernet connectivity

100 Input Hopper (30mil)

100 Output Hopper (30mil)

LCD Panel

12 Month System Warranty

Microsoft certified Drivers & SDK suite for software developers

Solenoid Electronic Locks for Input Hopper

Solenoid Electronic Locks for Supplies / Front Door Housing

Controlling Lock/Unlock from Status Monitor

K Ribbon Erase Function

MAC Address Forced Printing (UV Panel on Card)

Kensington Locks

Encoding Options

Magnetic Stripe ISO High/Low Coercivity Encoder

Contactless Encoder, Omnikey 5022
(reads/writes to 13.56 MHz smart cards)

Contact Encoder (CF-7CRW / Control board)

Contact Encoder (CF-7CCS / IC Contact Station)

Physical Specification for K-Series Printer

Height	335mm	Without Card Stacker
Width	343mm	Without Card Stacker
Depth	322mm	Without Card Stacker
Weight	13.5 KG	

Laser Engraving

1200 DPI Laser Engraving

6W Laser Type Air Cooled DPSS Laser Source

Single and double side laser engraving

Up to 90 cards per hour YMCK and Laser Personalisation
Single-Sided depending on card material and print density and
card coverage of print data

Mechanical security locks for the module and reject bin access

Laser Options

Auto-positioning Vision Camera

MLI or CLI

Physical Specification for Laser Module

Height	335mm
Width	357mm
Depth	322mm
Weight	11.5 KG

Electrical for SwiftLaser

310W (maximum power when all options are installed)

Laser – Power Supply 100-240 V, 50/60Hz, 50 VA

Electrical for Retransfer Printer

Temperature: 15°C to 30°C

Humidity: 35% to 70% non-condensing

3.5A (100V system) 1.6A (220V system)

Professional Service

Card Layout and Design for Laser Engraving

Card Optimisation for Customer Card Stock

Software Maintenance Agreement

On-Site Technical Training

Customer Operating Training

SDK Intergration Support

(All the above services are offered and chargeable)

Interface

USB2.0 (Hi-speed / Full Speed)

Ethernet (100BASE-TX / 10BASE-T)

Card Specification

Card Thickness 30 Mil (0.76 mm)

Card Format ISO 7810, ID - 1, CR80 Format

Polycarbonate card material recommended for optimal result.
Other card material ABS, PET, PETG & PET-HR

Contact and Contactless, RFID Cards with and without
Magnetic Stripe

Software Supported

SwiftLaser Advanced™ for SwiftLaser™ by KISG

SDK for Laser Module

Retransfer Printer Options

Flipper Unit

Laminator L10

Laminator L10D

Magnetic, Contact & Contactless Encoders

Swiftpro Genuine Color Ribbons

YMCK - 1000 Yield

YMCKK - 750 Yield

YMCKP Peel Off Ribbon - 750 Yield

YMCKU UV - 750 - Yield

InTM Retransfer Film - 1000 Yield

Certifications

Class 1 Laser, CE, BIS (for India)