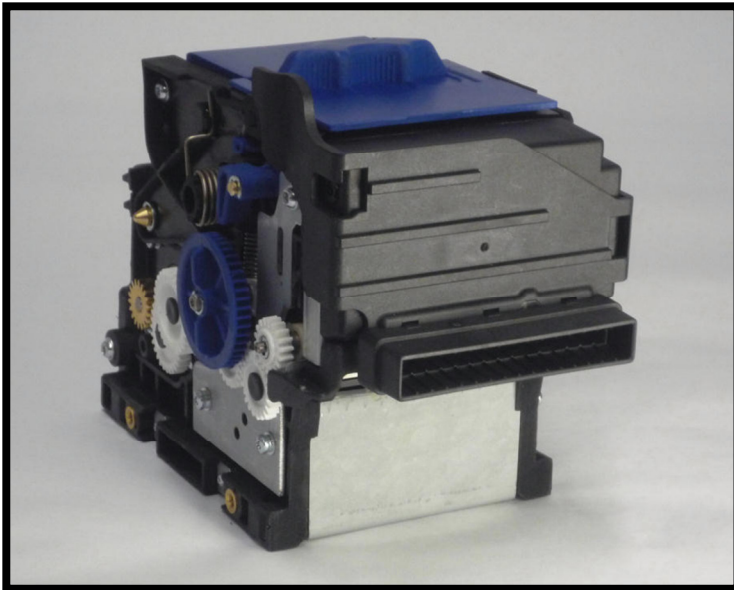# HENGSTLER®

TwinSide TS-56™ Thermal Printer

Print on both sides of the paper!

Perfect for Ticketing, Receipts and more!

- **2ST™ two-sided printing technology lets you print both sides of the printout**

- **Print half your data on the back, saving costs and the environment at the same time**

- **Fast USB or serial interface**

- **Prints up to 90 mm/second**

- **Prints/cuts stock up to 140 g/m²**

- **Long-life autocutter**

- **Optional presenter**

The Hengstler TwinSide TS-56 Thermal Printer with 2ST™ two-sided technology allows you to print on both sides of the paper! The benefits are stunning; not only can paper usage be reduced by about half by printing part of the printout on the back, but 2ST™ can get your message out in a way it never could before! Imagine selling the space on the back of your receipts to advertise local businesses. Coupons on the back of your printouts can get more repeat traffic into retail establishments. Or use the back of the printout to print terms, conditions, return policies, etc.; all the information that you used to preprint. Only now, when you need to change it, you don't have cases of paper with outdated information to dispose of. The possibilities are endless. Join the dual-sided movement, and save the environment while you promote your business and cut your expenses!

Want to take advantage of the back of the printout? Take a look at the Hengstler TS-56!

TWIN SIDETS™

2ST™ TECHNOLOGY

Hengstler TwinSide TS-56™ Thermal Printer

2ST™ Benefits

Here are some of the advantages of 2ST™ printing, and some of the applications that can benefit from the power of two-sided printing!

Reduce the total cost of ownership
- Less paper = lower consumables investment
- Reduce paper inventory
- Less waste from obsolete pre-printed paper

Improved operations efficiencies
- Two printheads increase throughput
- Fewer paper roll changes = less downtime
- Smaller, more manageable receipts

Enhanced CRM/Effective Messages
- One to one marketing allows you to reach the individual consumer with a personalized message
- Enhanced profitability by eliminating expensive preprinting.

Environmental Benefits
- Reduced paper use saves trees
- Reduced greenhouse gases
- Reduced fuel/energy making, transporting paper
- Reduced waste production in paper manufacture
- Reduced landfill space disposing of paper

Some 2ST™ Applications for TS-56 (possible uses for back side in parenthesis)
- Gas pump receipts (coupons, in-store announcements, travel tips)
- Transaction receipts (return policy, warranty information, satisfaction surveys, product or service information, product nutritional info)
- ATM receipts (coupons, gift certificates, advertising, bank statement, copy of deposited checks)
- Self-service kiosks (additional product or service offers, satisfaction surveys, receipts)
- Ticketing (future event schedules, discount announcement, coupons, name badges)

Specifications

Technology:	Direct Thermal
Print Speed:	24 VDC: up to 90 mm/sec
Resolution:	203 dpi (8 dots/mm)
Printhead Life	
Abrasion (based on 12.5% print density)	100 km of paper (each)
Electrical:	100 million dot pulses (each)
Graphic Driver:	Windows® XP, Windows 7,
Bar Codes:	
Internally Generated:	UPC-A, UPC-E, EAN-13, EAN-8, Code 39, Interleaved 2 of 5, Code 128, Codabar, PDF 417
Externally Generated:	Any, generated by Windows® standard GDI file by host
Paper Width:	54 mm +0/-1 mm or 49-60 mm (adjustable)
Printable Width:	56 mm (2.20 inches)
Paper Weight:	50 to 140 g/m² (w/o presenter) 100 to 140 g/m² (w/ presenter)
Paper Capacity:	6 inch (150 mm) roll diameter 10 inch (250 mm) (reduced performance)
Interface Type:	USB 1.1 or RS-232
Serial Baud Rate:	9,600 to 115,200 baud
Operating Voltage:	24 VDC± 5%
Power Consumption:	
In standby, approx.	3.6 VA
Typical, approx.	Dependent upon print content
Cutter:	Guillotine (full or partial cut)
Dimensions (WxHxD): (approx.)	109 x 137 x 173 mm (w/o presenter) 109 x 137 x 245 mm (w/ presenter)

TWIN SIDE TS

2ST TECHNOLOGY

All specifications, features and appearance subject to change without prior notice.