PRECISION PROCESS · CUSTOM CONFIGURATION

Coating & Printing Equipment

Product Catalogue

English · 2026.11



Final supply configuration is subject to consultation.

Custom-built to customer requirements

Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

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PRODUCT GUIDE

Coating & Printing Equipment

Eight large-area configurations and 11 website model references are presented separately. No unsupported one-to-one mapping between configurations and model names is implied.

01 — 08

Large-area & continuous configurations

D-Bar · Slot-die · Screen · Gravure · Pattern transfer · Gravure offset

03 — 10

11 MODELS

Model reference configurations

PMC-200 · PMC-220 · PMC-300 · PSC-300 · PBC-200 · PGP-200 · RGP-300 · RSH-300 · RSP-300 · RIP-200 · RIP-300

11 — 21

Selection notes

Substrate, liquid and pattern suitability and target quality are confirmed after reviewing samples and process conditions. Speed, accuracy and final specifications are agreed individually. Unverified values are omitted.

> Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

R2R = Roll-to-Roll · R2P = Roll-to-Plate

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CONFIGURATION 01 / 08

Large-area bar coater



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	1200 mm
Dimensions L × W × H	6000 × 3000 × 2600 mm
Weight	Approx. 8 t

Application range

D-Bar coating on large flat substrates and target film-thickness evaluation.

Features & configuration

Coating width 1200 mm · D-Bar · overall dimensions 6000 × 3000 × 2600 mm · approximately 8 t. Bar specifications and coating conditions are discussed according to the substrate, coating liquid and target film thickness.

> Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

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CONFIGURATION 02 / 08

R2R slot-die coater · 450 mm / approximately 2 t



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	450 mm
Dimensions L × W × H	3900 × 1100 × 1850 mm *
Weight	Approx. 2 t

Application range

Slot-die coating on continuous web substrates with process-specific drying.

Features & configuration

Transport, tension, liquid supply and drying are configured for the process. The source lists dimensions of 3900 × 1100 × 1850 mm; confirm the dimensions for the final configuration.

> The two 450 mm configurations differ in weight depending on dryer size and configuration. Source photographs show a vertical enclosed chamber and a horizontal drying section, so these should not be treated as identical configurations. Confirm installation dimensions and weight for the final build.

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CONFIGURATION 03 / 08

R2R slot-die coater · 450 mm / approximately 3 t



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	450 mm
Dimensions L × W × H	3900 × 1100 × 1850 mm *
Weight	Approx. 3 t

Application range

Slot-die coating on continuous web substrates with a selected dryer configuration.

Features & configuration

Transport, tension, liquid supply and drying are configured for the process. The source lists dimensions of 3900 × 1100 × 1850 mm; confirm the dimensions for the final configuration.

> The two 450 mm configurations differ in weight depending on dryer size and configuration. Source photographs show a vertical enclosed chamber and a horizontal drying section, so these should not be treated as identical configurations. Confirm installation dimensions and weight for the final build.

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CONFIGURATION 04 / 08

R2R screen printer



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	300 × 300 mm
Dimensions L × W × H	7850 × 1600 × 1920 mm
Weight	Approx. 5 t

Application range

Repeated-pattern screen printing on roll-fed substrates.

Features & configuration

Printing area 300 × 300 mm · overall dimensions 7850 × 1600 × 1920 mm · approximately 5 t.
Printing and drying are configured for the substrate, ink and pattern.

> Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

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CONFIGURATION 05 / 08

R2R slot-die / gravure coater



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	450 mm
Dimensions L × W × H	6000 × 1100 × 1600 mm
Weight	Approx. 3 t

Application range

Slot-die coating or gravure processing on a common machine body.

Features & configuration

Coating width 450 mm · overall dimensions 6000 × 1100 × 1600 mm · approximately 3 t. A common machine body supports customized head, supply, unwinding/rewinding, tension and drying configurations.

> Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

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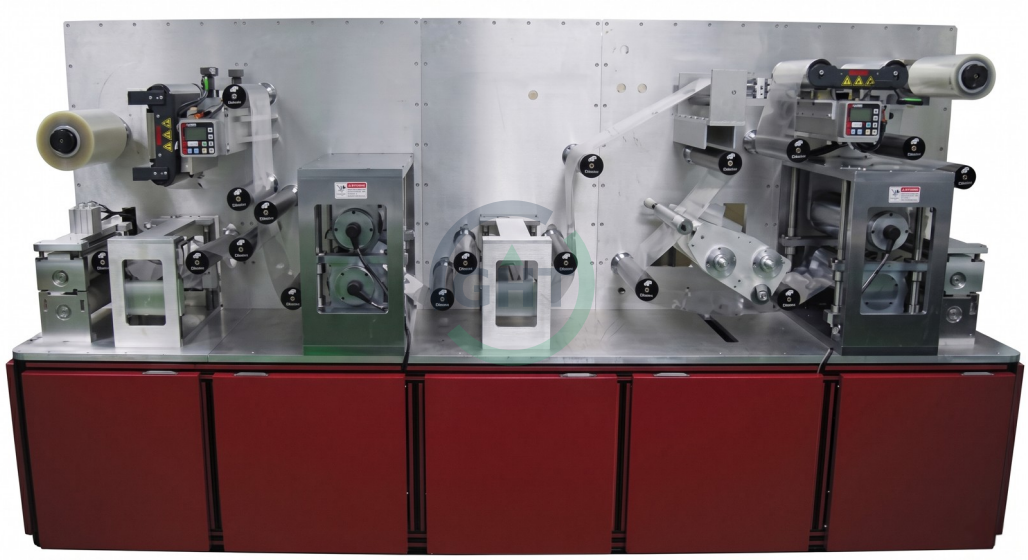
CONFIGURATION 06 / 08

R2R pattern-transfer equipment



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	280 × 550 mm
Dimensions L × W × H	3100 × 1250 × 1800 mm
Weight	Approx. 3 t

Application range

Pattern-transfer process evaluation on roll-fed substrates; confirm the detailed method.

Features & configuration

Working area 280 × 550 mm · overall dimensions 3100 × 1250 × 1800 mm · approximately 3 t. Confirm the detailed transfer method and process configuration for the material and pattern.

> Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

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CONFIGURATION 07 / 08

R2R gravure coater



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	450 mm
Dimensions L × W × H	6600 × 1300 × 2400 mm
Weight	Approx. 1.5 t

Application range

Gravure coating on continuous webs and evaluation of roll and doctor settings.

Features & configuration

Coating width 450 mm · overall dimensions 6600 × 1300 × 2400 mm · approximately 1.5 t. Configuration options include forward/reverse roll operation, doctor angle and pressure, pickup-roll adjustment, tension and guiding.

> Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

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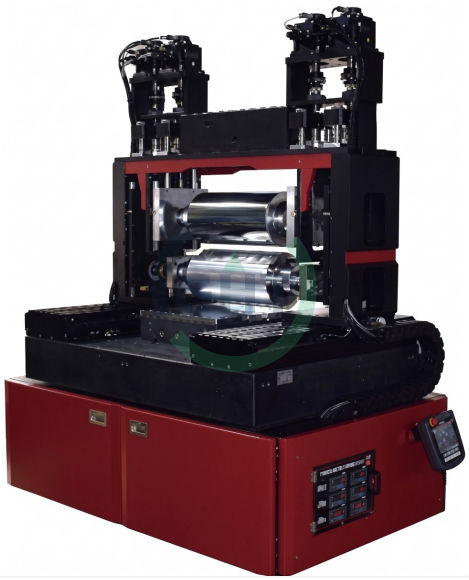
CONFIGURATION 08 / 08

R2P gravure offset printer



Final supply configuration is subject to consultation.

Specifications & configuration

Coating width / working area	500 × 500 mm
Dimensions L × W × H	1200 × 1800 × 2400 mm
Weight	Approx. 2 t

Application range

Gravure offset pattern printing on flat substrates.

Features & configuration

Printing area 500 × 500 mm · overall dimensions 1200 × 1800 × 2400 mm · approximately 2 t.

> Coating width and speed, as well as dryer size and drying method, are customized to the customer's materials and process requirements. Overall dimensions and weight depend on the final configuration.

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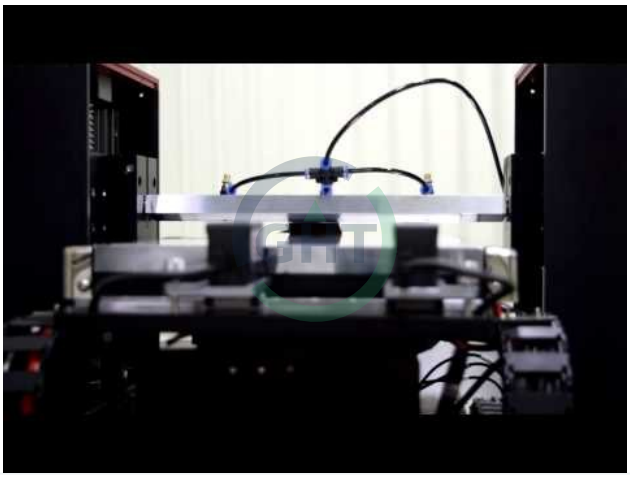
MODEL REFERENCE / 01

PMC-200

Plate Multi Coater



Final supply configuration is subject to consultation.

Application range / Features & configuration

A plate coater for thin-film coating trials on flat substrates. Rotary roll, blanket and D-Bar process configurations can be considered. Share your substrate, coating liquid and target film requirements with GHT for configuration advice. The video shows historical equipment; current supply specifications are subject to consultation.

Specifications & configuration

Process	Plate multi-coating
Configuration	Forward/reverse rotary roll, blanket impression roll, D-Bar head
Application	Printed electronics and thin-film coating trials

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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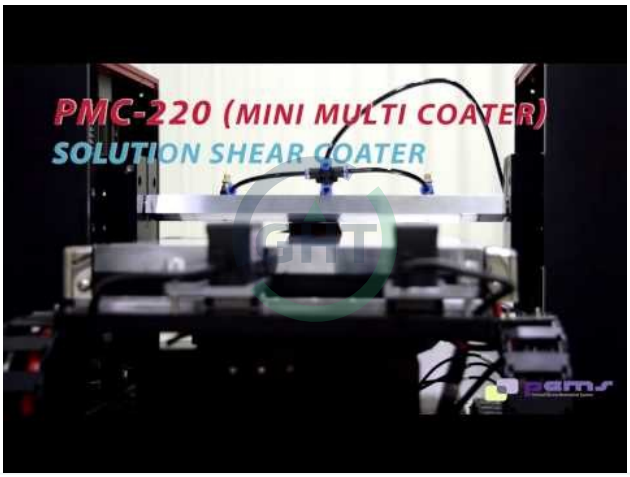
MODEL REFERENCE / 02

PMC-220

Solution Shear Coater



Final supply configuration is subject to consultation.

Application range / Features & configuration

A flat-substrate research coater using relative motion between a blade and substrate to apply solution. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Maximum coating area	180 × 180 mm
Plate	200 × 230 mm
Weight	80 kg
Maximum X-axis speed	1.5 m/s
Z-axis travel	50 mm
Temperature	Maximum 80°C; stable operating conditions 50–60°C
Control	PLC / two laser sensors and pencil probe

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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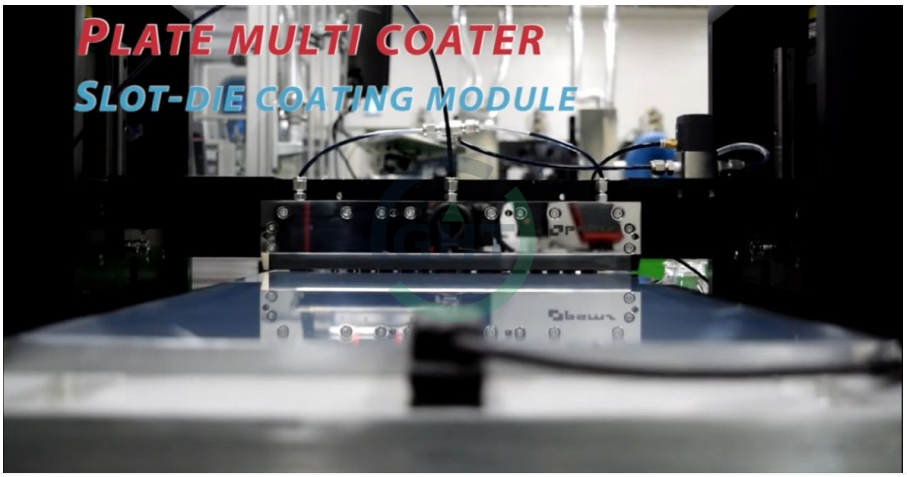
MODEL REFERENCE / 03

PMC-300

Plate Multi Coater



Final supply configuration is subject to consultation.

Application range / Features & configuration

Evaluate full-area and stripe coating on flat substrates using slot-die and bar-coating modules. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Coating area	600 × 370 mm
Dimensions L×W×H	1,000 × 1,000 × 800 mm
Weight	500 kg
Power consumption	1.9 kW
Modules	Slot die / D-Bar

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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MODEL REFERENCE / 04

PSC-300

Plate Stripe Coater



Final supply configuration is subject to consultation.

Application range / Features & configuration

A flat-substrate coater using substrate flotation and a D-Bar for full-area and stripe-coating trials. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Coating area	300 × 350 mm
Coating speed	1–300 mm/s
Wet film thickness	1.5–150 µm
Dimensions L×W×H	730 × 460 × 274 mm
Weight	20 kg
Process	D-Bar full-area / stripe; floating substrate

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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MODEL REFERENCE / 05

PBC-200

Plate Bar Coater



Final supply configuration is subject to consultation.

Application range / Features & configuration

Equipment for bar-coating trials and coating-process evaluation on flat substrates. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Process	Plate bar coating
Application	Coating trials on flat substrates

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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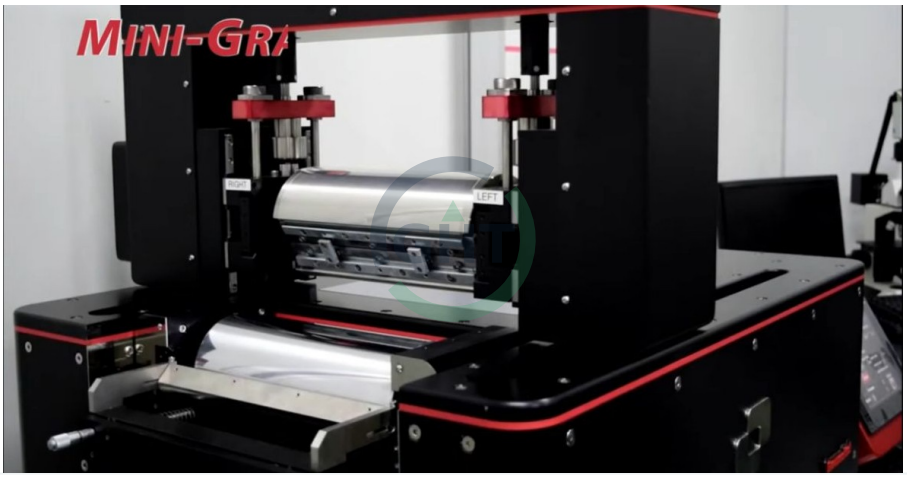
MODEL REFERENCE / 06

PGP-200

Roll-to-Plate Gravure Offset Printer



Final supply configuration is subject to consultation.

Application range / Features & configuration

A research printing system that transfers patterns from a roll to a flat substrate. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Printing area	210 × 300 mm
Weight	180 kg
Power consumption	1.5 kW
Process	Roll-to-plate
Interchangeable roll configurations	Gravure / gravure offset / flexography

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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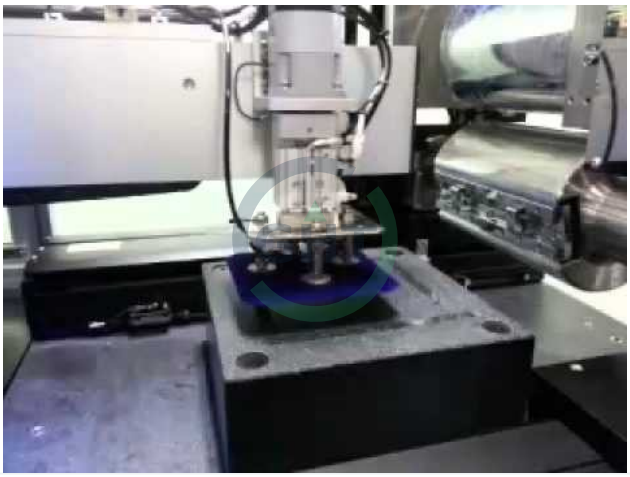
MODEL REFERENCE / 07

RGP-300

Roll-to-Plate Gravure Offset Printer



Final supply configuration is subject to consultation.

Application range / Features & configuration

A roll-to-plate printing system incorporating a patterned roll, doctoring module, blanket roll and flat-substrate transport. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Process	Roll-to-plate gravure offset
Main components	Pattern roll / doctoring module / blanket roll
Drive	Z-axis motor / X-axis linear motor
Operation / measurement	Touch control / load-cell indicator

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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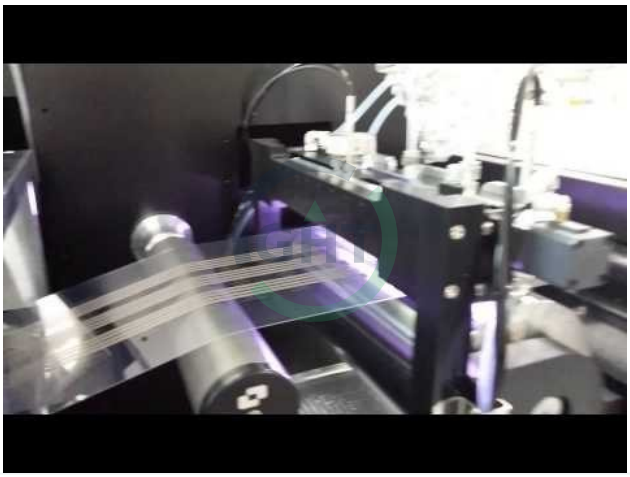
MODEL REFERENCE / 08

RSH-300

Roll-to-Roll Gravure Printing and Slot-Die Coating System



Final supply configuration is subject to consultation.

Application range / Features & configuration

Equipment for evaluating continuous web transport, gravure printing and slot-die coating processes. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Printing / coating width	100–300 mm
Drying length	10 m
Weight	2.5 t
Processes	Gravure printing / slot-die coating
Control and configuration	Transport and web guiding, flow sensor, slot-die gap adjustment

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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MODEL REFERENCE / 09

RSP-300

Roll-to-Roll Screen Printing System



Final supply configuration is subject to consultation.

Application range / Features & configuration

A system for evaluating continuous screen printing and drying on web substrates. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Process	Continuous roll-to-roll screen printing
Printing speed	500 mm/s (normal conditions)
Drying / curing	UV / Thermal / NIR
Drying length	14 m
Weight	5,000 kg
Power supply	Three-phase 220 V, 60 A

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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MODEL REFERENCE / 10

RIP-200

Roll-to-Roll Imprinting System



Final supply configuration is subject to consultation.

Application range / Features & configuration

A system for evaluating continuous pattern transfer onto web substrates by imprinting. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Process	Roll-to-roll imprinting
Application	Pattern-transfer process development for flexible substrates

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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MODEL REFERENCE / 11

RIP-300

Roll-to-Roll Imprinting System



Final supply configuration is subject to consultation.

Application range / Features & configuration

A continuous imprinting system involving web tension, transport, temperature and pressure control. Share your process and substrate requirements with GHT for configuration advice. The video is a historical equipment reference; current specifications, configuration and lead time are subject to consultation.

Specifications & configuration

Process	Continuous roll-to-roll imprinting
Weight	2.5 t
Control	Tension, web guiding, temperature and pressure control
Application	Film pattern transfer and transparent-electrode process development

> The table describes the equipment configuration and reference specifications shown in the video. These are not guaranteed specifications for a current supply model. Final working range, configuration and installation requirements are confirmed for your substrate, coating liquid and process.

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CUSTOM ENGINEERING

Reference builds & customization

Reference configurations: 200 mm pilot / 1000 mm production

These are separate configuration examples, not common or guaranteed specifications for the 450 mm equipment.

The figures below describe separate equipment configuration examples. They are not confirmed specifications for the 450 mm equipment above, nor a common specification that applies simultaneously to every system.

200 mm pilot configuration: speed 2 m/min, roll diameter 200 mm, drying length 2 m, ambient to 150°C (maximum 160°C).

1000 mm production-capable configuration: speed 75 m/min, roll diameter 900 mm, hot-air drying from ambient to 200°C, tension sensor, dancer and web guide.

Custom-built to customer requirements

Share substrate type, width and thickness; coating liquid or ink properties; target film thickness or pattern; speed; drying conditions; installation space and utilities.

> Substrate, liquid and pattern suitability and target quality are confirmed after reviewing samples and process conditions. Speed, accuracy and final specifications are agreed individually. Unverified values are omitted.

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