

# HIL-56

## INTERNAL COATING MACHINE FOR AEROSOL CANS

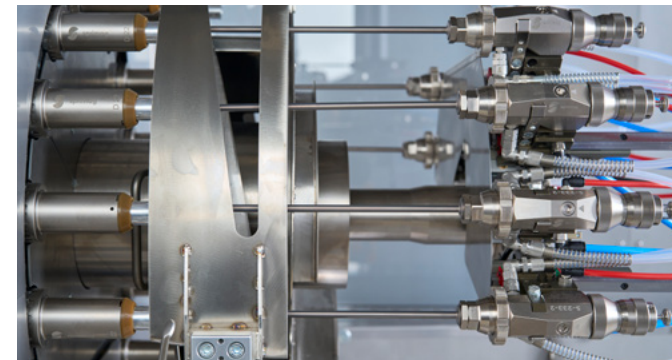


## HIL-56 Compact System for Internal Coating of Monobloc Aerosol Cans

The HIL-56 internal coating machine for aerosol cans and beverage bottles impresses with its space- and energy-optimized design concept. The internal coating machine, which is based on standard components from the larger HIL-96 series, is enhanced with an energy-optimized internal coating drier equipped with a cooling tower.

### FEATURES

- Compact machine design
- Production speed up to 180 cans per minute
- Triple coating by 6 spray gun system
- Increased operating comfort thanks to direct, electropneumatic control of the spray guns via HMI
- Separate servo drives for stroke and transport movement
- Proven quick-change system for size parts
- Swivelling HMI panel
- Automatic part ejection during production process
- Optimized machine dimensions ensure compatibility with older production lines
- Manufactured in accordance with the ATEX-regulations

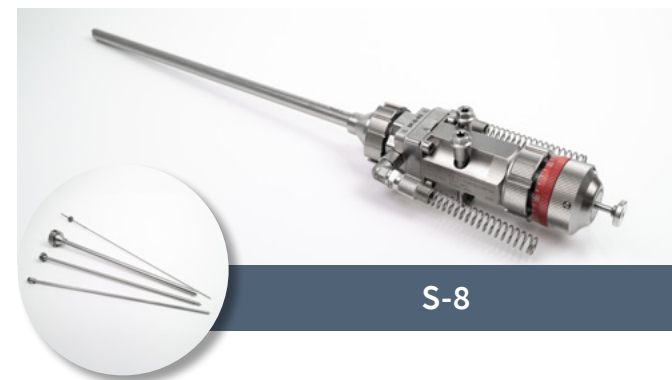


### OPTIONS

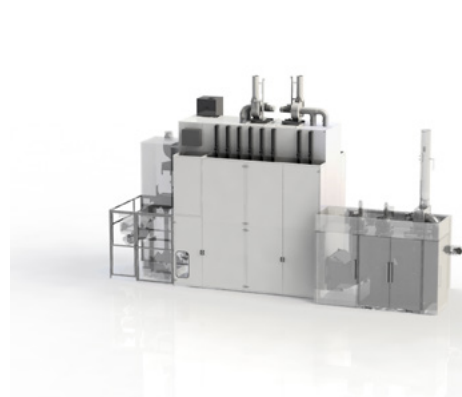
- Additional set of spray guns with quick-change-system
- Exhaust system for can bottom overspray separation
- Additional lacquer supply unit
- Energy optimizing and vacuum control system
- RFID-access verification system

### Application Technology

The HIL-56 is optionally equipped with either a Sprimag **S-233** or **S-8** spray gun.

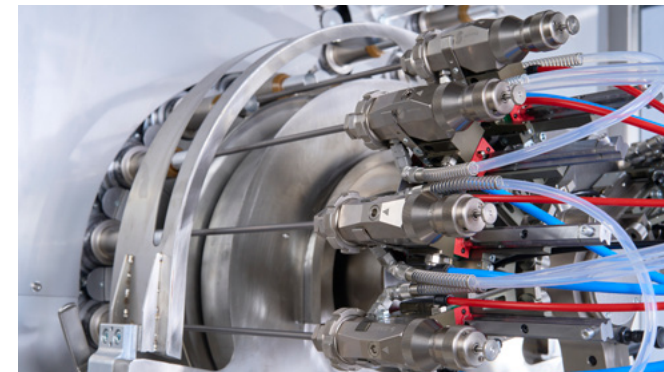


### + Internal Drier for cans DIT

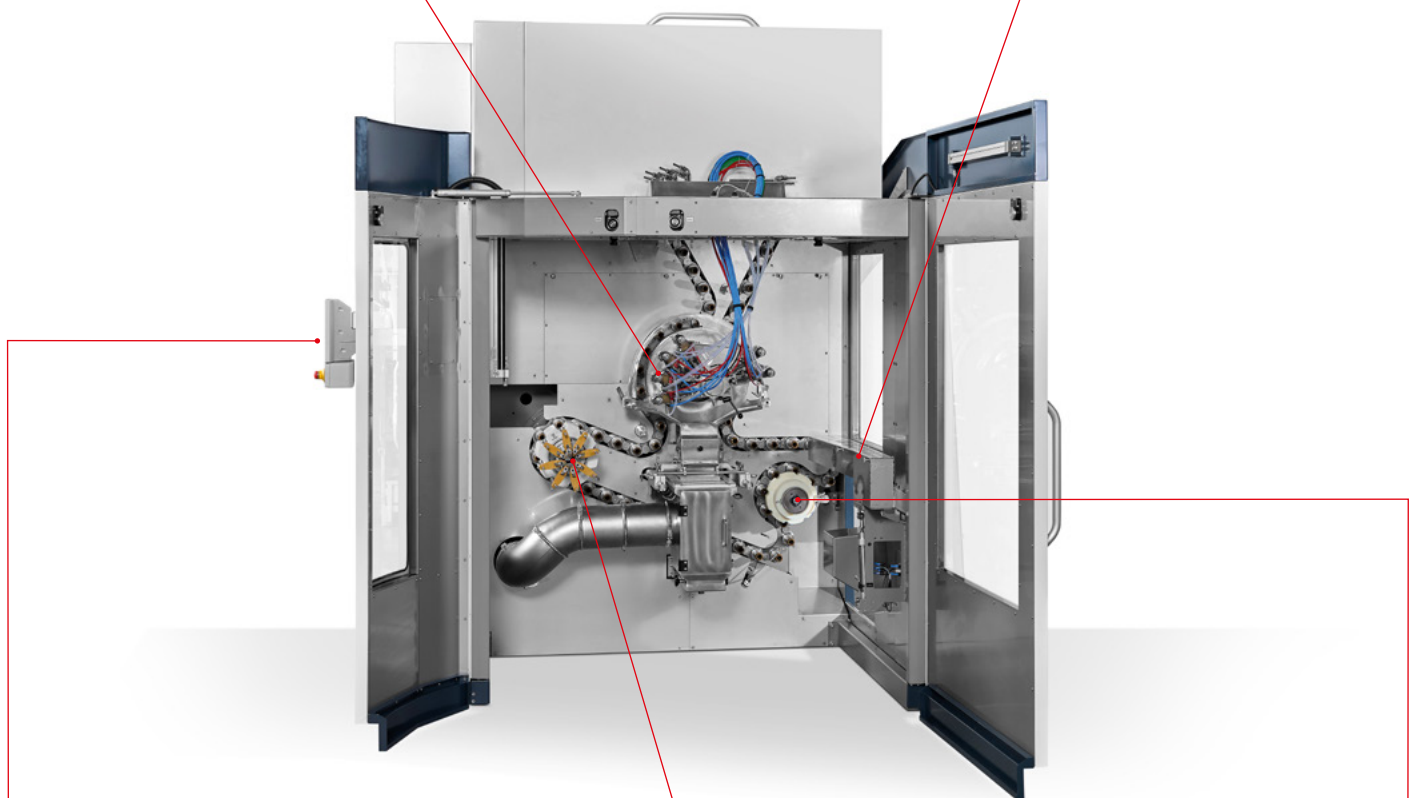


- 1-row transport chain with baskets
- Reduced wearout of the transport chain and the chain wheels by cardan based drive system
- Chain tensioner with weight, electronically monitored
- Easy accessibility to the drier interior due to large doors (front and back door)
- Quadruple door lock
- Isolated doors with special door hinges for synchronized door closing
- Large outer doors with smooth surface on the front and rear sides
- Service-friendly shaft and chain wheel removal and reassembly

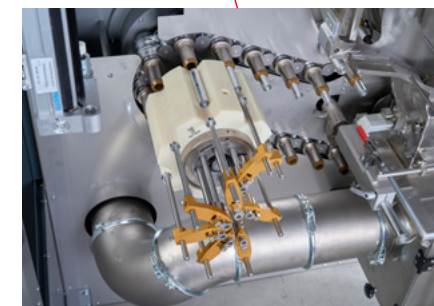
The HIL-56 is equipped with 6 spray guns for the precise internal coating (optional duplex or triplex coating) of aerosol cans with diameters ranging from 20 mm to 66 mm.



Pneumatic ejection chute for automatic test ejection of single aerosol cans during the production process, flexibly selectable via the HMI.



The intuitively operated HMI with multi-touch display has a fully enclosed stainless steel housing and offers new visualisation possibilities.



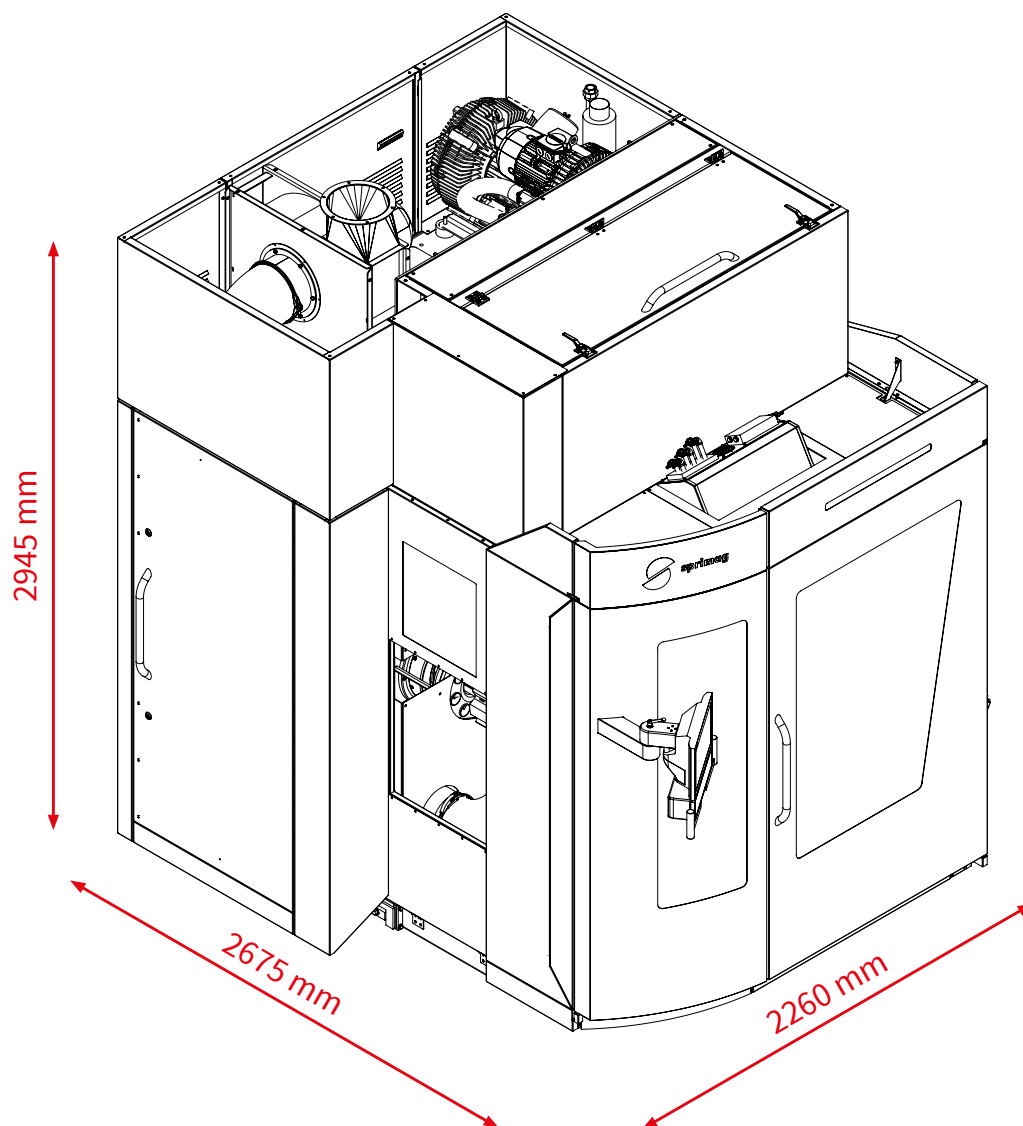
Infed starwheel with direct transfer of the aerosol cans from the integrated infed conveyor to the infed starwheel of the HIL-56.



Vacuum outfeed starwheel with quick-change-system for precise transfer of the aerosol cans to the downstream oven trays of the internal coating drier.

## TECHNICAL DATA

| Parameter                     | Specification                                            |
|-------------------------------|----------------------------------------------------------|
| Finished product              | Aerosol cans and beverage bottles                        |
| Product diameter range        | $D_{\min} = 20 \text{ mm}$ , $D_{\max} = 66 \text{ mm}$  |
| Product length range          | $L_{\min} = 70 \text{ mm}$ , $L_{\max} = 270 \text{ mm}$ |
| Production speed              | up to 180 cans per minute                                |
| Spray guns / Spraying process | 6/3 times                                                |
| Application Technology        | 6x Type S-233 or 6x Type S-8                             |
| Electrical connection power   | 95 kVA                                                   |



### Sprimag Spritzmaschinenbau GmbH & Co. KG

Henriettenstrasse 90

D-73230 Kirchheim unter Teck · Germany

Tel. +49 (0) 7021 / 579 0 · Fax +49 (0) 7021 / 417 60

[www.sprimag.com](http://www.sprimag.com) · [info@sprimag.de](mailto:info@sprimag.de)

