The Stolle MicroFlex Spray Machine (MX SM) is a versatile internal coating system with exceptional features and proven operation. Designed to precisely apply a protective coating to the inside of beverage, food or aerosol cans, the MicroFlex SM features a servo-driven starwheel that indexes the cans in front of the spray area. Single index, double index or triple index systems are configurable with no change parts, and the triple index configuration allows machine speeds up to 400 cpm. The starwheel is designed to be quickly changed for different can diameters and heights for fast product changeovers.

The Stolle MicroFlex SM is available with either a fixed gun or lancing spray operation to best accommodate a wide variety of beverage, food and aerosol can diameters and heights. Each spray gun is independently controlled and has its own adjuster to insure precise spray pattern control. All machines feature industry-proven Nordson guns, regulators, filters and valves. There is an individual spray pressure regulator for each gun, and all spray components, lines and fittings are made of stainless steel for long life and ease of cleaning and maintenance.

The MX Fixed Gun SM has adjustable gun mounts that allow the spray guns to be adjusted to the optimum spray position. The guns are moved into position using a linear slide and are locked in place during operation. This machine can also be configured as a bottom spray machine that sprays the dome and chime of the can for steel applications or retort aluminum cans.

The MX Lancing SM will accommodate taller can heights and smaller can diameters, which makes it ideal for coating aerosol cans and bottle cans. The lance mechanism has a servo-driven Rexroth linear motion actuator to move the spray gun lances in and out of the cans. The lance motion is fully programmable to optimize the coating film distribution for unique can sizes and shapes.

The exhaust system features a highly efficient overspray removal system which incorporates a diverter plate to help contain mist and drips. Overspray mist travels down to allow heavy particles to drop out of the air stream into a disposal pan, then the air stream flows up through two impingement plates to remove additional mist. The pan and plates are both easily accessible without removing any guards. Available options include a pump stand with controls, no spray detection / can stop, ink dot systems and dual fluid filters.

The MicroFlex SM is controlled with a user-friendly touch screen system with different screens for each function. All speeds, acceleration and time associated with spray gun timing and starwheel motion can be easily accessed, setup and saved as a “recipe” for multiple product profiles. In addition, all servo motions can be setup and tested using the on-screen jog functions built into the control system. Security levels can be set for each screen or the entire control system.
### Specifications

#### Electrical Power
- **Machine**: 380-460 VAC 3-phase 50/60 Hz
- **Control**: 24 VDC

#### Air Requirement
- 90 PSI

#### Vacuum Requirement
- 15 ACFM @ 20 in. Hg

#### Exhaust Requirement
- 300 CFM @ -0.4 in. H₂O

#### Can Size
- **Can Diameter**: 202 - 307
- **Can Height**: Up to 710

#### Construction
- **Frame**: Mild steel
- **Starwheels**: Composite
- **Exhaust Hood**: 304 stainless steel
- **Track**: Stainless steel half round

#### Machine Dimensions
- **Overall Length**: 119” (3017 mm)
- **Overall Width**: 43” (1085 mm)
- **Overall Weight**: 2,100 lbs (952 kg)

#### Standard Features
- **Bottom Chuck Spin Speed**: Adjustable via VFD
- **Index Type**: AB servo controlled with gearbox
- **Spray Guns**: 2 Fixed or Lancing Guns
- **Spray Nozzles**: Supplied by customer
- **Coating Filter**: Nordson single filter
- **Coating Regulation**: Nordson spray pressure control (1 regulator per spray gun)

### Machine Options:
- Third spray gun
- Exhaust system (includes fan and duct work)
- Size change parts
- Tote/Pump station - 1000 liter capacity tote
- Dual pumps
- Nordson heater
- Coating filter
- Supply line and back pressure regulators
- Controls

### Nordson Equipment Options:
- Ink dot
- iTrix
- Temperature control unit
- Dual filters
- Clean spray
- MEG II spray guns

### System Installation Options:
- Integration
- Piping
- Wiring
- Discharge conveyors
- Discharge track
- Vacuum elevators with fan
- Field installation supervision
- Start-up supervision