

704 series

Dual servo drive or AC frequency motor meter system



Precision gear, continuous flow, adjustable ratio meter, mix, and dispense system

System specifications

Metering principle	Precision gear
Drive type	Dual servo or AC frequency motor
Material delivery	Shot or continuous flow
Shot size range	Minimum 0.6 cc's per 1:1 revolution Maximum 100 cc's per 1:1 revolution
Ratio range	1:1 up to 10:1
Viscosity range	Liquid to paste
Supply type	Pump or tank

Application solutions

- Aircraft and aerospace
- Electronics and electrical
- Appliance
- Filters
- Battery
- Lighting and LED
- Construction
- Thin film laminating



Benefits

- **Longer lifespan**
 - Heavy duty dual shaft packings and seals minimize wear and increase lifespan
 - Precision ground gears for extremely accurate metering performance
 - Reversible center plate decreases maintenance cost
- **Quality dispensing**
 - Precision gear metering combined with dual servo drive technology proportions materials to the manufacturer's exact volumetric ratio
 - Controlled flow rate and mixed material dispense volumes meet customer specifications
- **Exact consistency**
 - Uses absolute encoder technology with closed loop feedback (servo models only)

Features

- Variable flow rate (servo only)
- Variable bead diameter (servo models only)
- Shot size and flow rate adjustment using HMI
- Ratio adjustment using HMI
- Easy maintenance
- Less exposure to off ratio conditions
- Uses electronic pressure monitoring to ensure consistent process parameters part to part
- Easily mounted to robot base or large robot arms



Technical data		
Ratio*	Lowest	Highest
1:1	0.6 cc	100 cc
2:1	0.9 cc	75 cc
4:1	1.5 cc	62.5 cc
10:1	3.3 cc	55 cc

* Each volumetric output shown with at least one complete revolution
 ** Ratio by volume

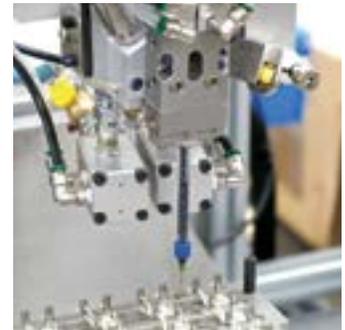
Available models*

- Dual AC frequency motor mode**
 - Low cost dual variable frequency drive control that does not use PLC
 - Manual set up of ratio and flow rate, “set and forget”
 - Ideal for constant flow rate, continuous dispense applications
- Dual servo drive motor model**
 - PLC controls combined with absolute encoders provides simple ratio and flow rate set up
 - Continuous, uninterrupted dispense profiles
 - Ideal for bead or potting applications
 - Ideal for large volume potting applications
 - Allows for variable flow rates and bead diameter changes mid dispense

* Consult your Nordson representative for additional options.



Bead dispensing



Electronic potting



Filter molding

© 2019 Nordson Corporation | All Rights Reserved | NSL-19-5967 | Revised 1/19

Nordson expertise is always here when you need it

In highly competitive manufacturing markets, productivity is vital and performance is essential. That's why we apply both to everything we do, whether it's our products, expertise or outstanding customer service. We'll always be there to help maintain the new standards you've set, with expert local service and support delivered through our teams working across the globe.

This unique Nordson approach helps you reach new levels of production, while working more accurately, efficiently and competitively than ever. Precisely why manufacturers who demand quality, can rely on Nordson.

Performance by design

Nordson SEALANT EQUIPMENT

Nordson Sealant Equipment
 Wixom, MI, USA

Phone: 1.248.412.7920
Email: SealantSales@nordson.com

[/Nordson_Coating](#) [/SealantEquipment](#)

[/company/nordson-industrial-coating-systems](#)

Find out more at:
www.nordson.com/nse

