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MOTION CONTROL & OPTICS **USA**

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MICOS USA • 15375 BARRANCA PARKWAY • STE G101 • IRVINE • CA 92618 • PHONE 949 480 0538 • FAX 949 480 0538

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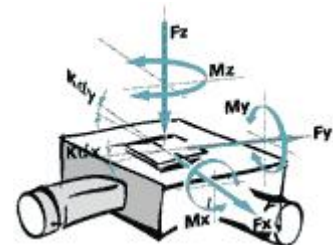
◀ 2.204 ▶ **Cross Stage CS-430**

Positioners:



Key features

- XY travel 350x300 mm
- Maximum speed 100 mm/sec
- Linear Scale
- Load capacity 30 kg
- Crossed-roller bearings
- Special, tempered Aluminium
- Limit switches integrated



FACTS

Load Characteristics	Fx (N)	Fy (N)	Fz (N)	Mx (Nm)	My (Nm)	Mz (Nm)	kax (µrad/Nm)	kay (µrad/Nm)
2Phase-070	110	110	300	500	500	500	20	20

DESCRIPTION

The **Cross Stage CS-430** is employed for industrial test-, respectively inspection systems. The travel ranges XY are 350 x 300 mm. The XY-Stage CS-430 is equipped with recirculating ball screws with little backlash. All CS-430 Stages incorporate smooth running direct 2-phase-stepper motors. The scan stage is fitted out with two limit switches. For higher positioning

accuracy and homogeneous speed the XY-Stage CS-430 can be optionally equipped with a length measuring system. The Cross Stage uses precision crossed-roller bearings for long life and increased load capacity. Two mechanical limit switches are firmly integrated in the XY stage. Optical and inductive limit switches as well as test and calibration certificates can be supplied on request.



Technical data

Travel Range (mm)	350x300
Bi-directional Repeatability (μm)	+/- 0.2 ... 8
Accuracy per 50 mm (μm)	+/- 0.4 ... 10
Velocity Range (mm/sec)	0.001 ... 100
Ballscrew Pitch (mm)	10

Speed max.(mm/sec)	
<u>2Phase-070</u>	100

Resolution Open-Loop (μm)	
<u>2Phase-070</u>	0.25 (SMC) 25 (FS)

Resolution Closed-Loop (μm)	
<u>LS-010, Linear steel scale</u>	0.1

Current (Amps) / Voltage (Volts)	
<u>2Phase-070</u>	2 -

Material	Special Aluminium, black anodized
Weight (kg)	23

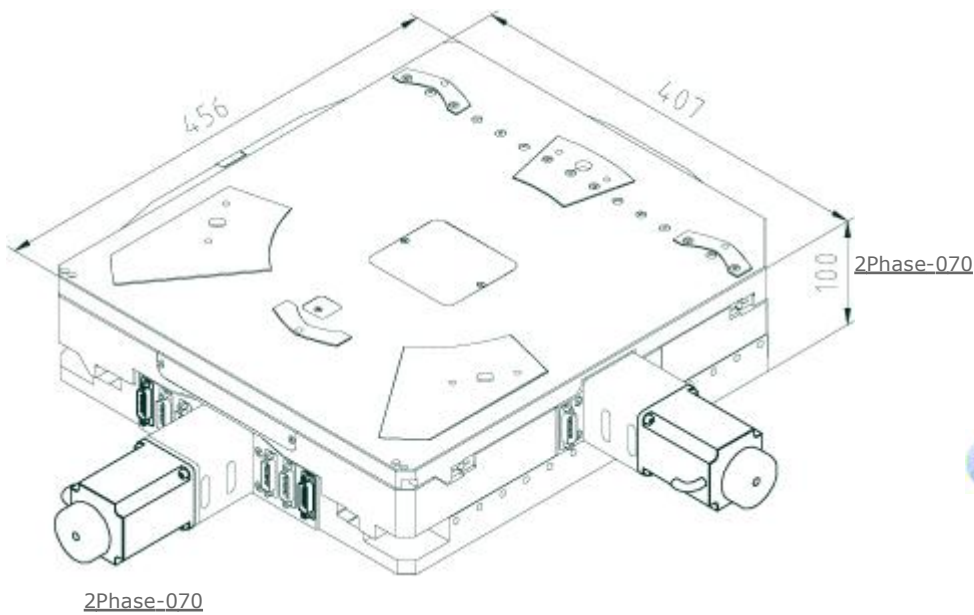
Note: (SMC): Micro-Step Mode, (FS): Full-Step 2Phase

More info: Detailed information, concerning motor and connectors, see: Appendix

CS-430 Base + Motors



Travel ranges
350 x 300 mm



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MOTION CONTROL Systems Positioners MiniPos DirectDrives Controllers ManPos Accessories Vacuum MAC PhotonX M A C

CS-430 Ordering information



2Phase-070
without LS-010



LS-010



Founded in 1990, MICOS specializes in the development, manufacturing and marketing of ultra-high precision positioning components and systems for research and industry. We are experts in vacuum, ultra-high vacuum, clean room, and extreme climate environments down to 77 Kelvin. ▶▶

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