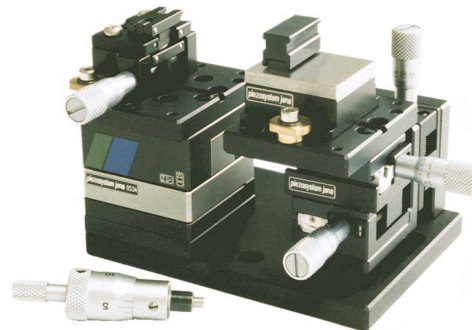




**COMPETENCE
IN PRECISION**

**special systems
FAPOS 2/2**

- three dimensional system for fiber positioning
- compact size, easy to use
- mechanical motion in x, y and z direction 5 mm
- optional 3D piezoelectric motion for the highest resolution

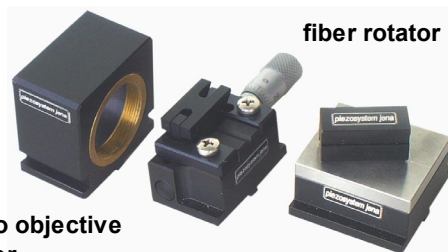


FAPOS 2/2

FAPOS 2/2 was developed especially for precision positioning of optical components, e.g. fiber coupling problems. Compact size and a modular design allow flexible and universal applications. **Side A** can be adjusted using micrometer drives for mechanical motion in x-, y- and z-direction. **Side B** can be equipped with a TRITOR element for finest piezoelectric motion up to 100 µm. Several accessories such as fiber holders or holders for microobjectives are available and can be mounted on the top plate on both sides. In the picture **side B** is completed with an element for mechanical fiber rotation (combination of part no. O-105-06, O-205-00 and O-201-00).

technical data:

micrometer drive:	motion (x, y, z):	5 mm (ball bearing guide)
	scale division:	0.01 mm
	positioning accuracy:	< 1 µm
	guide accuracy:	< 1 µm
options side A:	differential micrometer drive:	5 mm
	positioning accuracy:	< 0.5 µm



micro objective holder

fiber rotator

V-notch fiber holder

options side B:

- 3D piezostage motion (x, y, z) 40 µm with piezo nanometer resolution
- 3D piezostage motion (x, y, z) 100 µm with piezo nanometer resolution
- integrated strain gauge measurement system

accessories:

- part no. O-201-00: V-notch fiber holder
- part no. O-202-00: objective mount for microscope objectives
- part no. O-205-00: mechanical fiber rotator
- part no. O-206-00: piezoelectrical fiber rotator

configurations:

name	part no.	side A		side B	
		3D mech. motion micrometer drive	3D mech. motion diff. microm. drive	3D motion piezoelectrical system	with strain gauge measurement system
FAPOS 2/2	O-104-00	5 mm	-	-	-
FAPOS 2/2 DM	O-104-20	-	5 mm	-	-
FAPOS 2/2 P40	O-105-04	5 mm	-	40 µm	-
FAPOS 2/2 P100	O-105-06	5 mm	-	100 µm	-
FAPOS 2/2 P40 SG	O-106-04	5 mm	-	40 / 32 µm*	yes
FAPOS 2/2 P100 SG	O-106-05	5 mm	-	100 / 80 µm*	yes
FAPOS 2/2 P100 CAP	O-106-06	5 mm	-	100 / 80 µm*	capacitive

* open loop / closed loop

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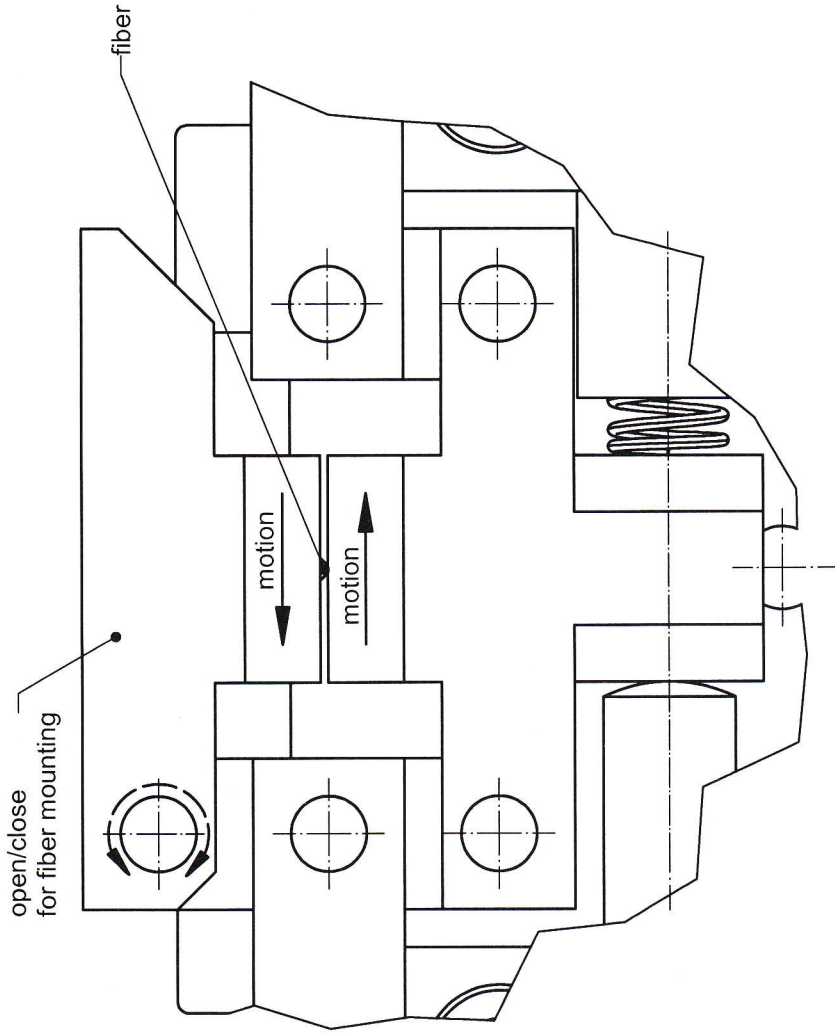
Prüssingstraße 27 • 07745 Jena • HRB Gera 2823 • VAT ID-Nr. DE 150531409

Konten: Commerzbank BLZ 820 400 00, KTO 258 420 9 • Deutsche Bank BLZ 820 700 24, KTO 531 571 8

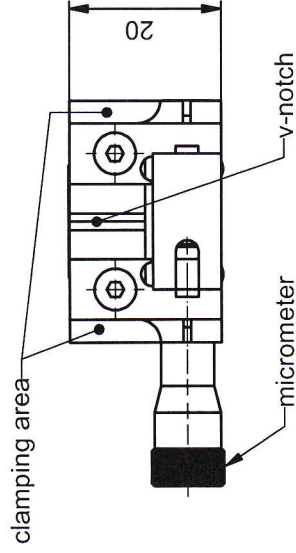
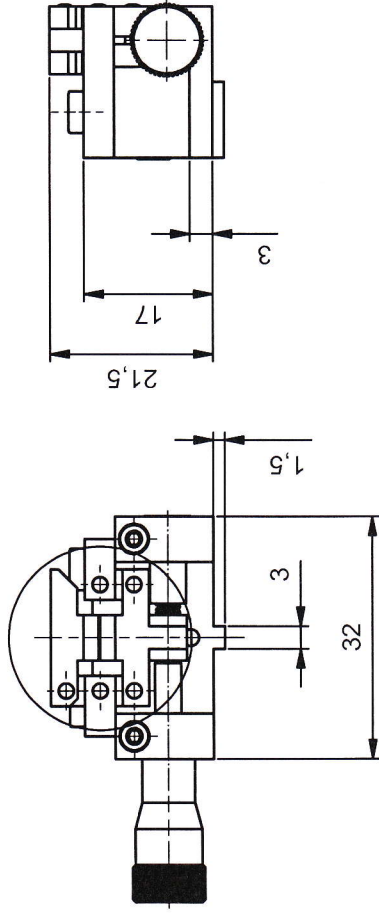
Tel. + 49 (3641) 66 88 0 • Fax +49 (3641) 66 88 66 • e-Mail info@piezोजना.com •

<http://www.piezोजना.com/>

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ORIGINAL

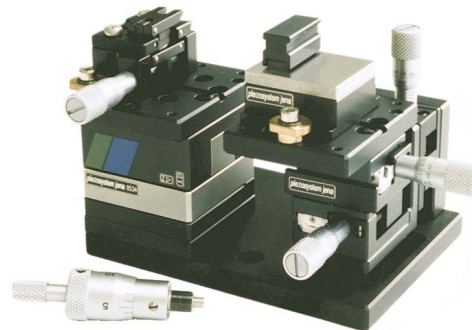
part.-no.	O-205-00	part.-name	mech. fiber rotator
file name	PO20500	OK: date/sign.	17. APR 2011
		rev	1
		scale	1:1
		customers drawing	piezosystem jena



**COMPETENCE
IN PRECISION**

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FAPOS 2/2**

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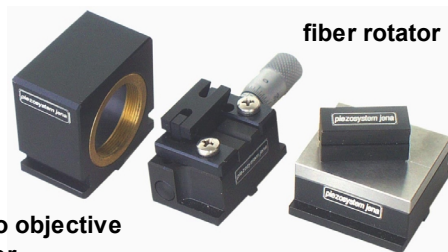


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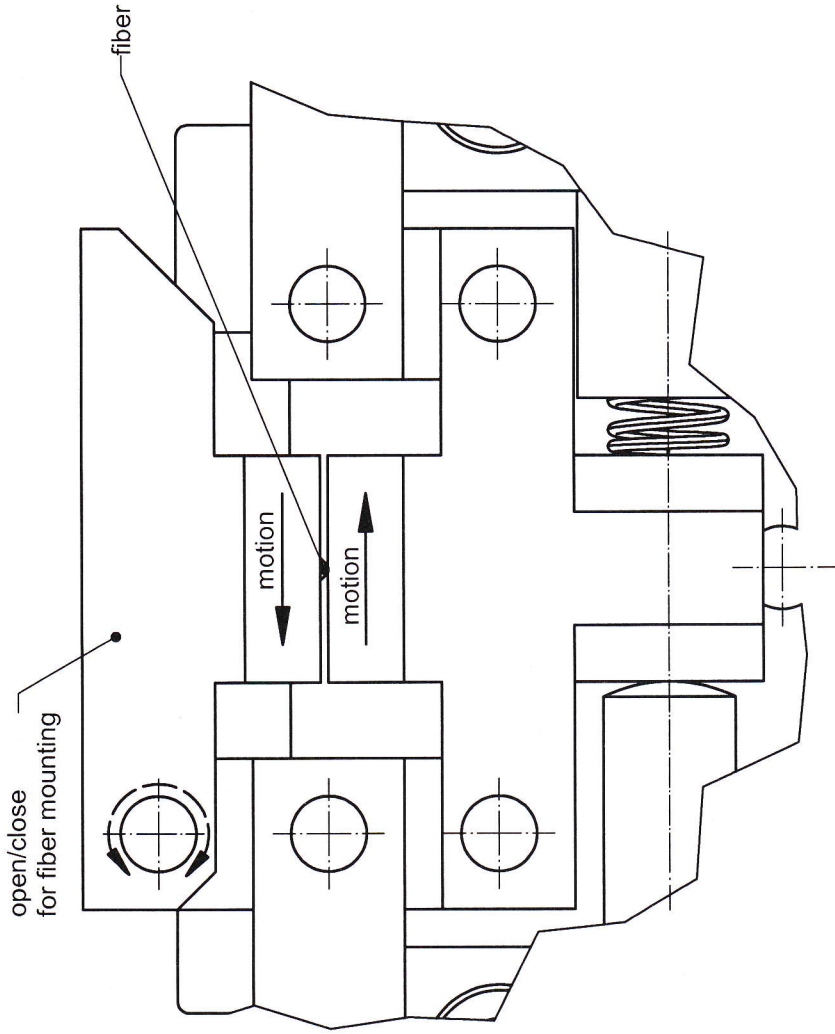
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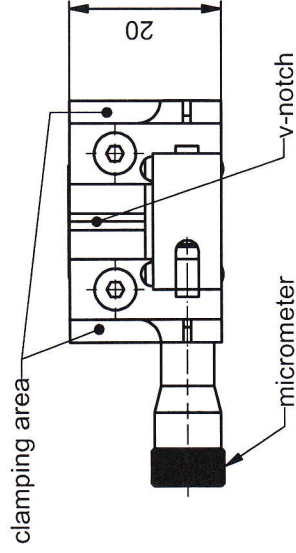
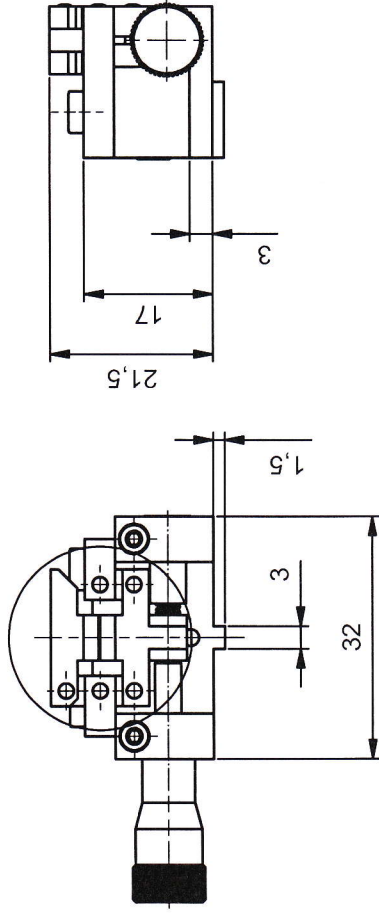
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ORIGINAL

part.-no.	O-205-00	part.-name	mech. fiber rotator
file name	PO20500	OK: date/sign.	12. APR. 2011
		rev	1
		scale	1:1
		customers drawing	piezosystem jena