ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

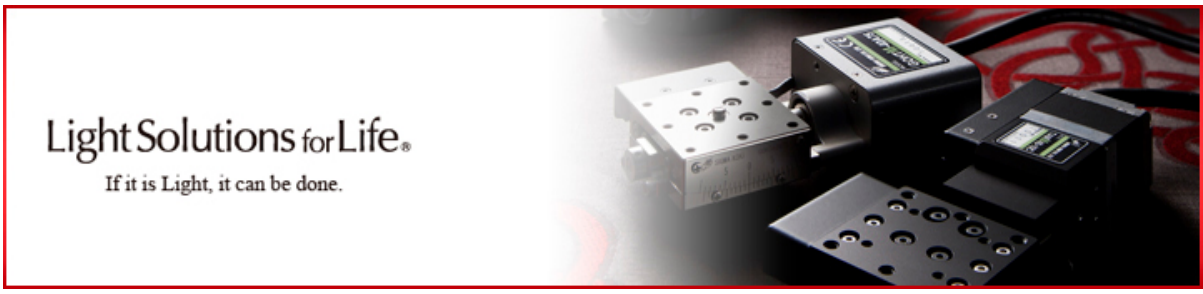
Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Sigma Koki SGSP20-20(X)* at our website: *Click HERE*



SGSP20-20(X)



Zoom

Stepping motor driven stages, ideal for positioning of measuring instruments or inspection tools from which high stiffness and high precision are required.

◦U-shaped rail offers light weight, and minimized deflection to achieve high stiffness.
≪New Versions OSMS20-(X)≫
WEB REFERENCE W9063

Guide

▸Contact our Sales Division if you desire to change motors, etc. (except for SGSP20-20(X)).(REFERENCE W9500)(Question Sheet)
▸Dust-proof cover reel (except for SGSP20-20(X))(REFERENCE W9500), and grease change are optionally available.(WEB REFERENCE W9006)
▸We will assemble your X axis stage with a newly purchased X axis stage at a separate cost.

Attention

▸Two X axis stages cannot be assembled into an XY axis stage. A special mounting plate is required. (WEB REFERENCE W9001)
▸There is no bearing on the opposite motor side of SGSP20-20(X). If you desire to use this product exerting load in the shaft direction, contact out Sales Division.

Outline Drawing

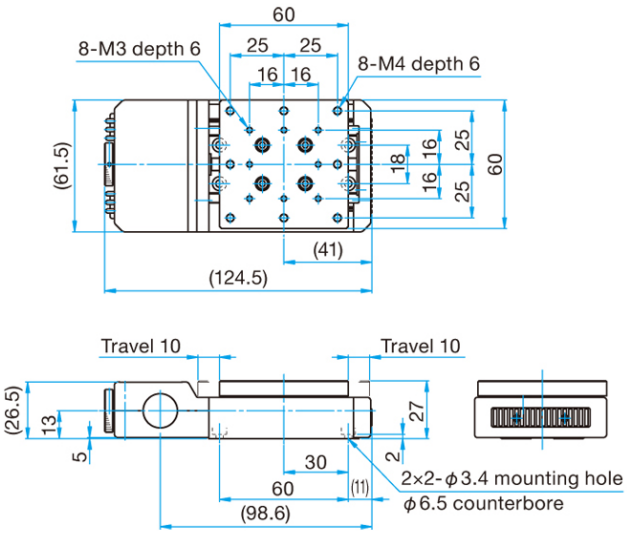
Related Items


Intelligent Positioner


Single axis Stage Controller


2 Axis Stage Controller

Hexagon socket head cap screw M3×6…4 screws



Zoom

Products

Part Number	JP Yen	Stock	Qty	Add to Cart
SGSP20-20(X) Production Stop	-	-	-	-

Common Specifications

■Motor / Sensor Specifications

Motor / Motor Type	5-phase stepping motor 0.66A/phase (Tamagawa Seiki Co., Ltd.)
Motor / Motor Part Number	TS3664N4(□24mm)
Motor / Motor Step Angle	0.72°
Sensor / Power Voltage	DC5 - 24V±10%
Sensor / Current Consumption	30mA or lower (15mA or lower per sensor)
Sensor / Control Output	NPN open collector output DC30V or lower, 50mA or lower
Sensor / Output Logic	When shaded: Output transistor OFF (no conduction)

■Compatible Driver / Controller

Compatible Driver	SG-5M, SG-5MA, SG-55M, SG-514MSC
Compatible Controller	PAT-001, GSC-01, SHOT-102, GSC-02, SHOT-702 GIP-101, SHOT-302GS, SHOT-304GS, HIT-M･HIT-S

Specifications

Travel	20mm
Stage Size	60×60mm
Feed Screw	Ball screw diameter φ6mm, 1mm lead
Positioning Slide	Outer rail structure
Stage Material	Aluminium
Finish	Black anodized

Weight	0.5kg
Resolution (Full)	2μm/pulse
Resolution (Half)	1μm/pulse
MAX Speed	15mm/sec
Positioning Accuracy	10μm
Positional Repeatability	5μm
Load Capacity	49N(5.0kgf)
Moment Stiffness / Pitch	3″/N·cm
Moment Stiffness / Yaw	3″/N·cm
Moment Stiffness / Roll	3″/N·cm
Lost Motion	5μm
Backlash	3μm
Parallelism	30μm
Running Parallelism	10μm
Pitch	30″
Yaw	20″
Sensor Part Number	Micro photo sensor : PM-U24(SUNX Co., Ltd.)
Limit Sensor	Equipped (NORMAL CLOSE)
Origin Sensor	None
Proximity Origin Sensor	None

Documents/Downloads

Part Number	Catalog PDF	dxf	STP	IGS	SAT
SGSP20-20(X)					

Tokyo Head Office
5F, SIGMA KOKI Tokyo Head office 1-19-9,
Midori, Sumida-ku,Tokyo, 130-0021, JAPAN
TEL.+81-3-5638-8228 / FAX.+81-3-5638-6550
E-mail international@sigma-koki.com

Osaka Branch
4-9-28 Nishi-Nakajima,
Yodogawa-ku, Osaka 532-0011
TEL.+81-6-6307-4835 / FAX.+81-6-6307-4834
E-mail sales.osaka@sigma-koki.com

Kyushu Sales Office
3-17 Hie-machi,Hakata-ku,Fukuoka 812-0014
TEL.+81-92-481-4300 / FAX.+81-92-481-4310
E-mail sales.kyushu@sigma-koki.com

Copyright (c) SIGMAKOKI CO.,LTD. All Rights Reserved.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP