



Auto Edging System

AES-2200

THE ART OF EYE CARE

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RHU-2200 + SE-9090 Supra x2

The AES-2200 is NIDEK's new automatic lab system combining the RHU-2200 and two units of SE-9090 Supra, top end edger for laboratory. The RHU-2200, NIDEK's state-of-the-art robotic handling unit, has unlimited possibilities. It offers a great advantage of being able to organize the innovative lab system. This unique automation system opens the new door to the next stage of laboratory business.

NICS NIDEK Intelligent Conveyor System

The AES-2200 features innovative automatic one-line system. The idea of connecting the small belt conveyors of RHU-1000 / 1500 has been turned into reality as a unique one-line big conveyor system. This system is called "NIDEK Intelligent Conveyor System"-NICS. Infinite possibilities are ahead of you with NICS.

Features

The AES-2200 provides a range of benefits. It pursues maximum simplicity, effectiveness, and high profitability.

High-Speed Processing

Over 1,600 jobs in just 14 hours! The AES-2200 performs approximately about 2.0 times as fast as the AES-1000 and about 1.6 times as fast as the AES-1500.

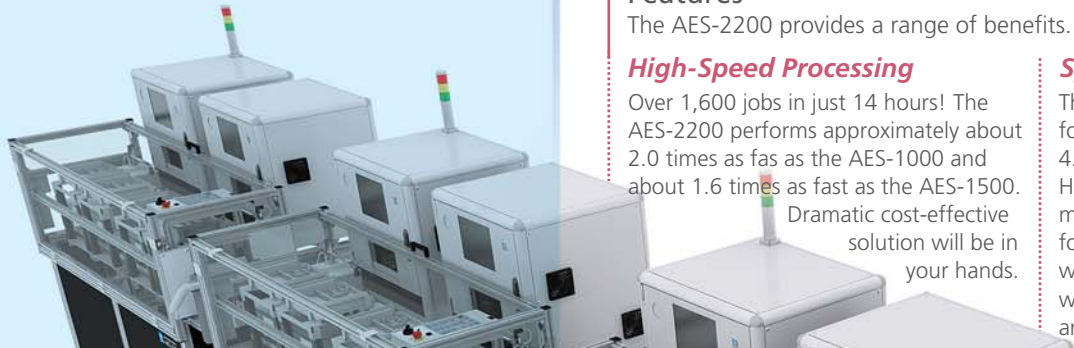
Dramatic cost-effective solution will be in your hands.

Space saving

The AES-2200 needs only one-third footprint. It can process approximately 4.6 times as many jobs as the AES-1500. Highest number of jobs per square meter! If you do not have enough space for full automatic laboratory system or would like to achieve high performance with limited space, this is just what you are looking for.

Easy setup of full automation

NICS can be run in a closed loop or linked to the lab management software. Complicated server configuration and peripheral equipment are unnecessary. Lower initial cost contributes to upgrading your investment value and maximizing the effectiveness of your laboratory space.



New mechanism

The AES-2200 has two new mechanism with NIDEK's outstanding technology, which realizes high precision.



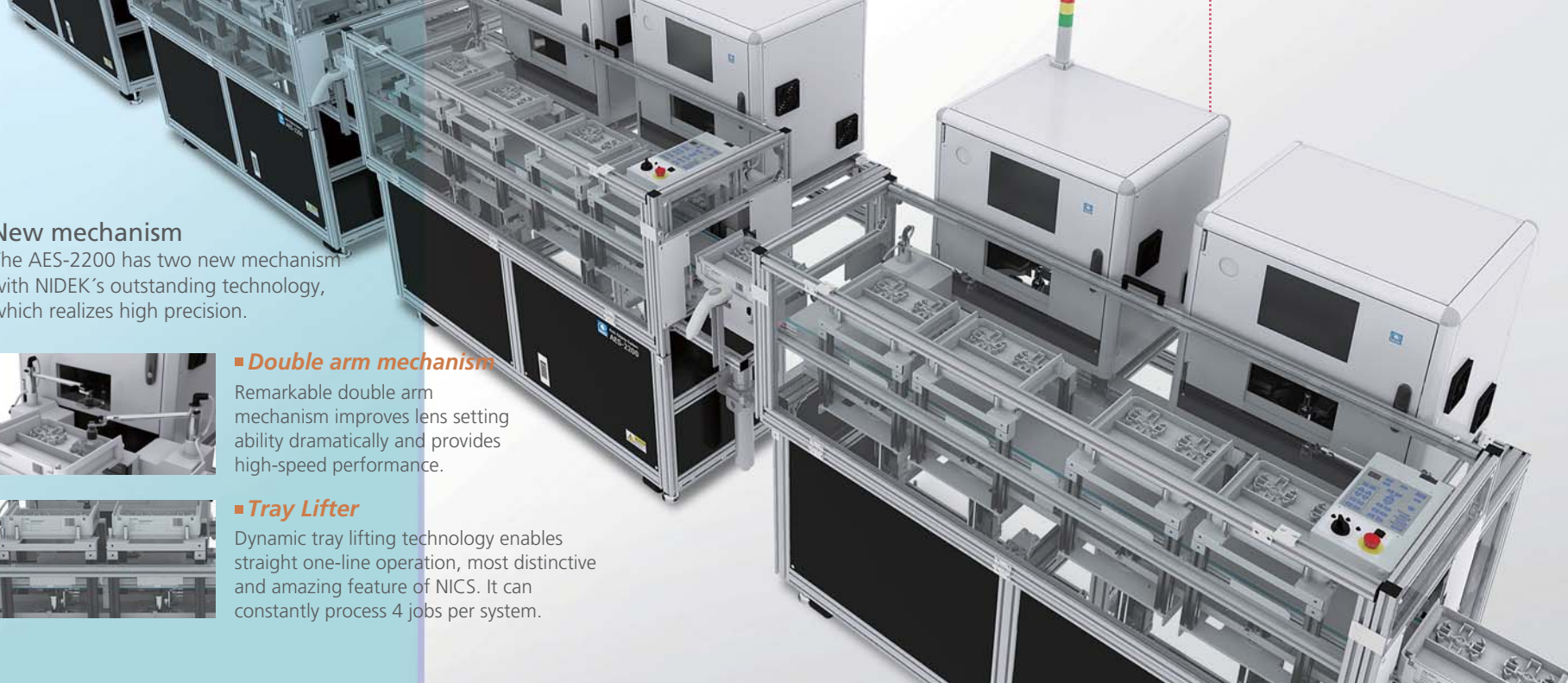
■ *Double arm mechanism*

Remarkable double arm mechanism improves lens setting ability dramatically and provides high-speed performance.



■ *Tray Lifter*

Dynamic tray lifting technology enables straight one-line operation, most distinctive and amazing feature of NICS. It can constantly process 4 jobs per system.



RHU-2200 Specifications

Applicable lenses	
Maximum allowable diameter	98 mm in diameter (blank lenses)
Minimum allowable diameter	20 mm in diameter (finished lenses)
Maximum allowable thickness	17 mm (edge thickness of concave lenses) 10 mm (thickness at the center of convex lenses)
Positive pressure	
Used fluid	Dry air
Max. Flow rate	140 liters / minute or more
Usual pressure	0.40 to 0.45 MPa by the regulator
Connecting method	One-touch joint of 10 mm in diameter
Applicable barcodes	
Method	CODE39, Interleaved 2 of 5 (ITF), UPC / EAN / JAN, NW-7 (CODEBAR), CODE128, CODE93, COOP 2 of 5 (NEC 2 of 5), Standard 2 of 5 (Industrial 2 of 5)
Line width	0.2 mm or more
Power supply	AC 200 / 230 V, 50 / 60 Hz
Power consumption	300 VA (excluding the SE-9090 Supra) 5.3 kVA (including the SE-9090 Supra)
Dimensions / Mass*	2036 (W) x 1052 (D) x 1206 (H) mm / 195 kg 80.2 (W) x 41.4 (D) x 47.5 (H) " / 430 lbs.

*Dimensions - excluding options and protrusions / Mass - main body only

Specifications and design are subject to change without notice.