UFS Programming Efficiency

15x More Efficient

Manual Programming		
Model Name	Aerospeed-G3	Other Brand
Programming Speed (MB/s)	3,000 ⬈	100
Unit Programming Time（64G)	21 ⬊	640

Automated Programming		
Model Name	AST-9000+ Aerospeed-G3	Other Brand
Maximum Hourly Capacity	3,000 ⬈	200
Monthly Capacity	1,500,000 ⬈	100,000

▶ Velomax Programming delivers top performance at only 1/15 the equipment, facility, and personnel costs

eMMC Programming Efficieny

2x More Efficient

Manual Programming		
Model Name	Aerospeed-G1/G3	Other brands
Programming Speed (MB/s)	100 ⬈	50
Unit Programming Time（4G)	40 ⬊	80

Automated Programming		
Model Name	AST-9000+ Aerospeed-G1/G3	Other brands
Maximum Hourly Capacity	3,000 ⬈	1,400
Monthly Capacity	1,500,000 ⬈	700,000

▶ Velomax cuts your eMMC programming costs by 50%

Contact us to build your success

From manual development to high-volume automated production—we provide the complete offline and inline programming solution for your success.

🅥 VELOMAX

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Velomax Systems

Aerospeed Programing Flawless Execution

20 years of software genius X 10 years of hardware mastery = Aerospeed Precision

Built on expertise

Automated IC Programming System AST Series

> AST-9000 redefines leadership in automated programming, delivering advanced performance for high-density devices production.
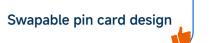
01 Automotive-Grade
ESD Protection

02 Built-in 3D Inspection
CSP/BGA supported

03 Built-in Auto Tray
Space-Optimized

04 Built-in Laser Marker
Safety Ensured

05 Auto-Reprogramming
Efficiency Increased

06 High Throughput
Proven 3000 UPH

07 Quick Setup
Fool Proof

08 Linear Motor
High Operational Stability

Function Comparison of Series Products

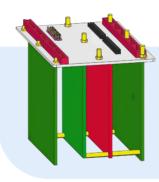| Model Name	AST-9000	AST-3000	AST-1000
Maximum UPH	3000	2800	1500
Nozzle	4	4	2
Maxiimum Programming Sites	128	64	16
Support IC Types	UFS,eMMC. eMCP MCU/MPU.NORNAND Flash EEPROM, SP Memory, FPGA. CPLD, etc.		
Support Package Types	DIP, SDIP, SOP, SSOP, TSOP, PLCC, QFP,QFN, SON, BGA		
Inspection Methods	2D/3D		
Minimum Package Size	WLCSP 0.6*1mm		
Input Output Options	Tray, Tube, Tape		
Marking Options	Laser, Inkprint, Inkjet, Label		
PC OS	Windows 11		

Universal Gang Programmer Aerospeed Series

- World's first programmer with UFS 4.1 technology 👍
- World's fastest UFS programmer (3000MB/s) 👍
- Swapable pin card design 👍

Model Name	Aerospeed-GS	Aerospeed-G1	Aerospeed-G3
Supported IC Type	SMH WriteNow!	FLASH MCU EMMC	FLASH MCU EMMC UFS
Programming Capacity	8 Sites		
Standalone	v		
Third Party Integration	ATE, API, Command Line		
Programming Speed	UFS:3000MB/S eMMC:100MB/S MCU: 30MB/S		
Elastic Throughput	1 PC controls 16 programmers, 128 sites max		

In System Programming

The VX Series
A high-performance ISP solution built on the proven Aerospeed-G platform. It delivers multi-protocol support for high-volume production and R&D debugging.

Algocraft WriteNow! Series
SMH Group's compact, automotive-focused solution, engineered for seamless integration and reliable programming of automotive MCUs.

Model Name	VX-ISP-C-A1	VX-ISP-C-A4	Algocraft WriteNow! Series
IC Type Supported	FLASH/MCU/CPLD		
Channels	1/4		2/4/8
Industry	Consumer Electronic		Automotive