

Automobile Key Production Solution

MIRACLE™-A9 Nova



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MIRACLE™-A9 Nova is Redt Inc.'s latest model, embodying our accumulated expertise in key-cutting technology and design innovation. It delivers performance that surpasses not only our previous models but also competing products. Equipped with state-of-the-art control technology and user-centric design, it ensures fast, precise, and safe operations. Its sleek, modern appearance complements any workspace with style.



Product Specifications

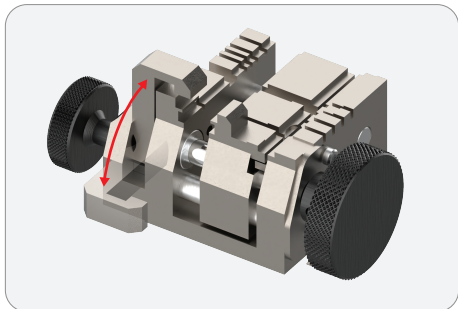
Dimensions	300(W) x 423(D) x 338(H) mm
Power Supply	AC 100V~240V, 50Hz/60Hz
Operating Power	24V, 6A
Power Consumption	80W
Weight	20 kg
Power Adapter	24V/4A
XYZ Travel	130(X) x 58(Y) x 40(Z) mm
Spindle Rotation Speed	7,000 rpm
Spindle Motor Specification	40W, BLDC, Direct-drive (Integrated)
Tool Shank Diameter	6Φ
Tool Clamping Method	Set Screw
Communication	USB
Temperature/Humidity	5~40°C/10~90%

- Equipped with a Built-in Motor Spindle, featuring a high-performance BLDC motor for enhanced cutting power (integrated spindle motor).
- Dual clamp system allows processing of various key types without the need for separate clamps or adapters.
- LM guides applied to all three axes for greater precision and stability.
- Dedicated application compatible with a wide range of digital devices.
- Supports large-head materials such as remote control keys.
- Intuitive user interface for smooth operation.
- Designed for fast, easy, and safe use by anyone.
- Innovative design that breaks away from conventional standards.



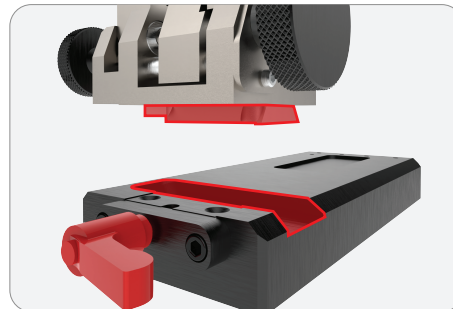
Dual Spindle & Dual Cutter System with Integrated Dual Clamp for Versatile Key Processing

- Supports edge-cut, laser-cut keys on the left and dimple keys on the right, enabling versatile key processing without changing the vise.
- Added a top-pressing structure for easy securing of edge-cut keys.
- Operates easily without additional accessories, enhancing portability and work convenience.



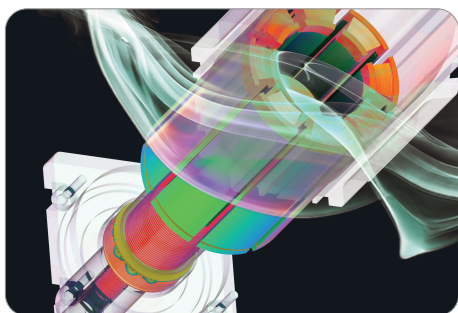
Supports a wide range of clamps and adapters

- Designed to easily secure and process even complex-shaped keys.
- Fully compatible with existing clamps and adapters, eliminating the need for additional special vises.
- Maintains continuity of user experience.



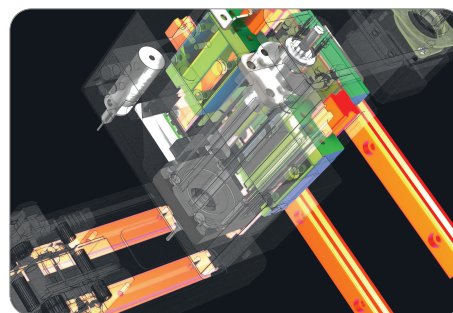
Integrated BLDC Motor Spindle for Powerful Cutting Performance

- Integrated spindle and motor deliver power directly without belts or gears, minimizing output loss.
- Ensures stable operation even under heavy-load tasks.
- High-efficiency, long-life BLDC type reduces heat generation and maximizes system efficiency.



High-rigidity, high-precision LM guide ensures stable machining while preventing backlash, vibration, and chip jamming

- Dual LM guides applied to each X, Y, and Z axis ensure both precision and stability.
- Evenly distributes load to minimize vibration and shaking during movement, delivering smooth and precise axis motion.



CodeMaster4-enabled multi-platform support (Windows, Android, iOS)

- Control the machine from various digital devices such as PCs, tablets, and smartphones via the dedicated CodeMaster4 application.
- Supports wireless connectivity, offering flexible connection options to suit different environments.

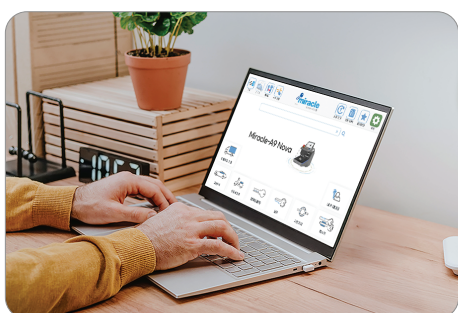


Photo Recognition System

- Equipped with a key photo recognition system for enhanced work convenience, supporting edge-cut and laser-cut keys on the left and dimple keys on the right without additional devices.
- Automatically extracts key data such as shape, groove position, and dimensions.
- Saves time, reduces errors, and improves the intuitiveness and efficiency of key data processing.

