

OIM-2FS-W Odd Form Insertion Machine 4 heads with Lead Clinching

Southern Machinery's odd form feeder system is a **cost-effective** and **efficient** solution for inserting odd form components, compared to traditional Through-Hole Technology (THT) machines. It also offers a wide range of **capabilities** for various component types and sizes.

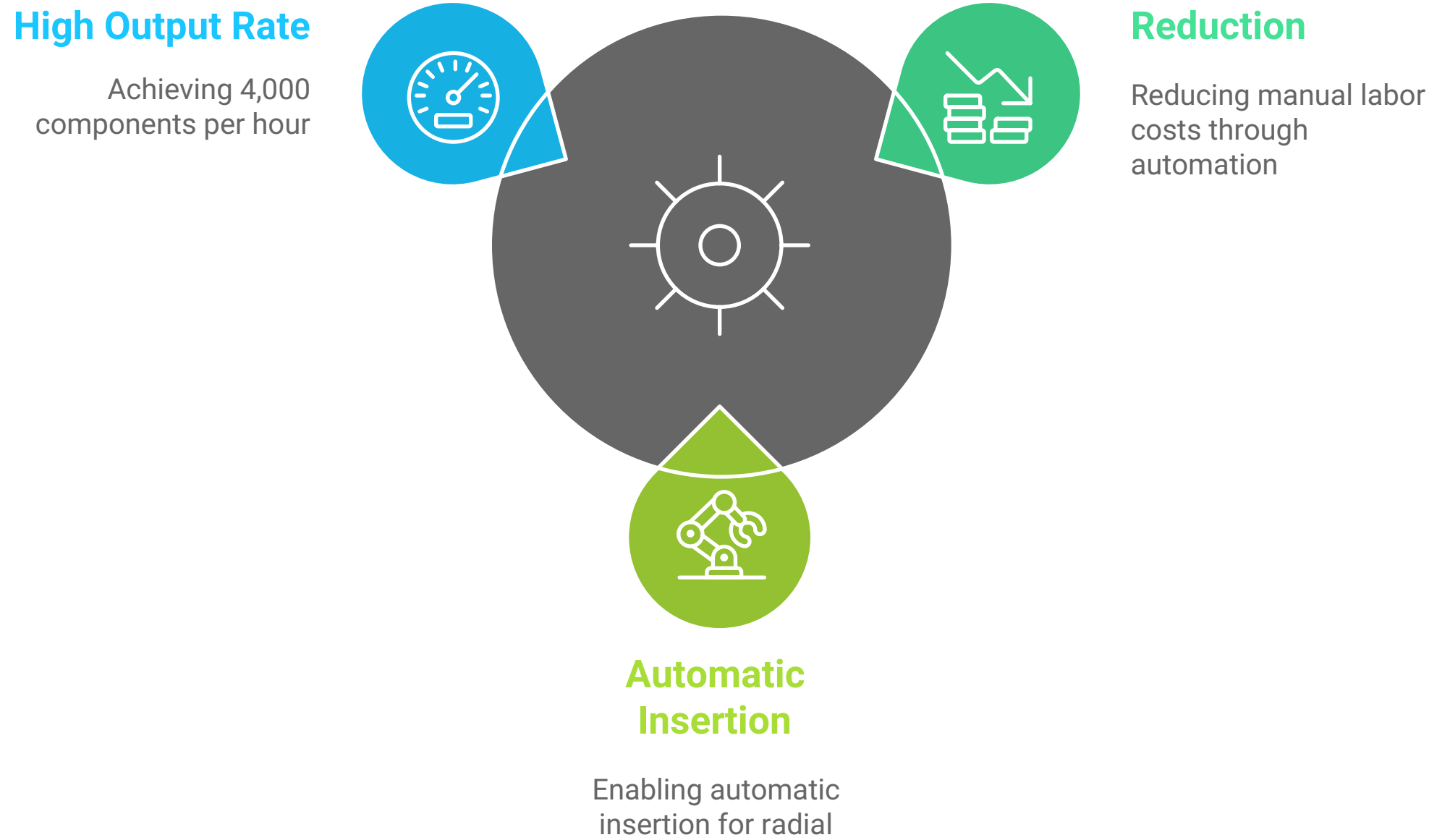
Cost

- Odd form feeders from Southern Machinery are considerably cheaper than traditional THT machines.
- Odd form feeders cost approximately **\$5,000 to \$8,000**, while THT machines cost **\$50,000 to \$70,000**.

Efficiency

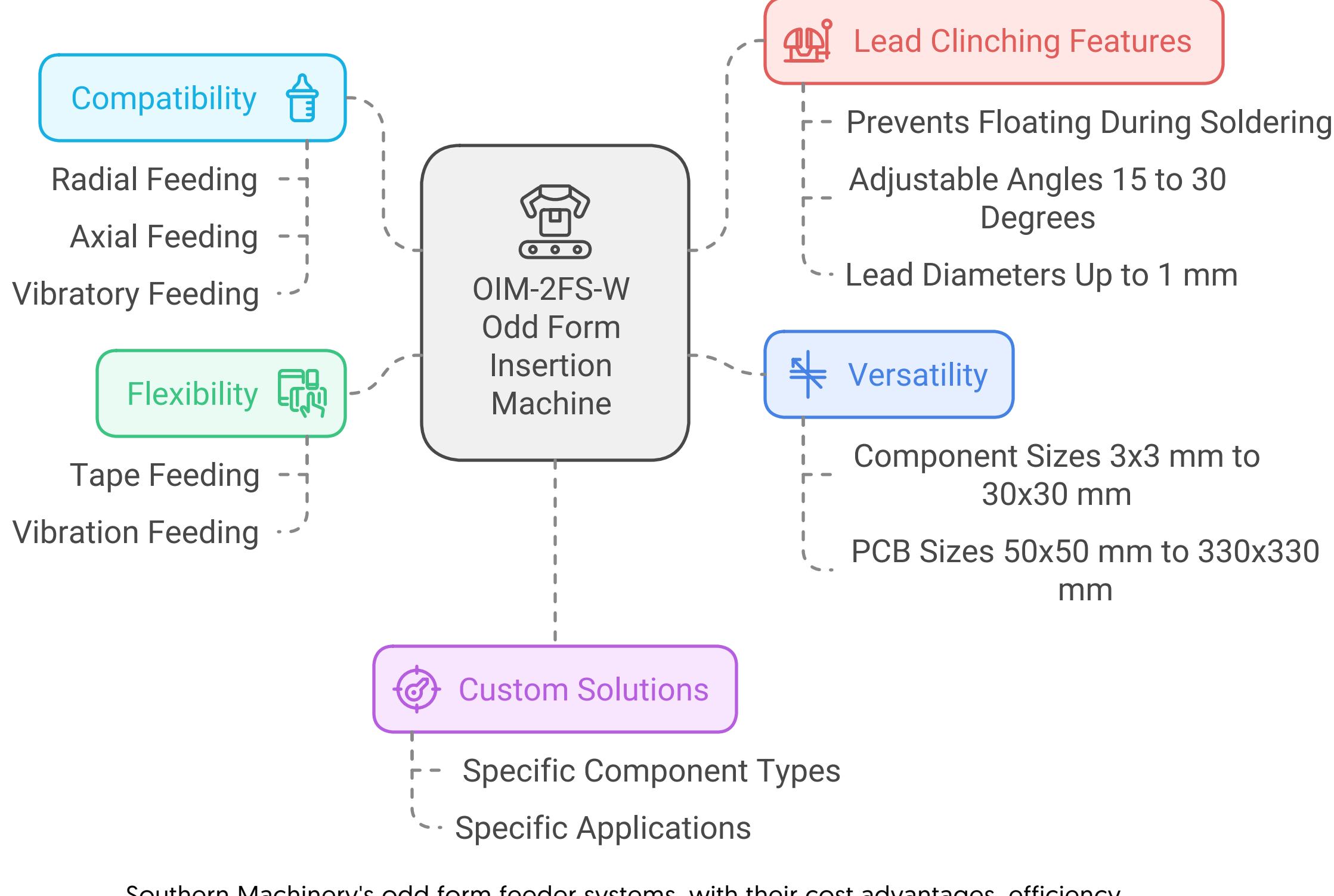
- Southern Machinery's odd form feeder system can significantly reduce labor costs associated with manual insertion.
- It allows SMT machines to gain automatic insertion functionality for radial components like capacitors and LEDs.
- Southern Machinery's odd form insertion machine can achieve an output of **4,000 components per hour (CPH)**.

Enhancing Odd Form Insertion Efficiency



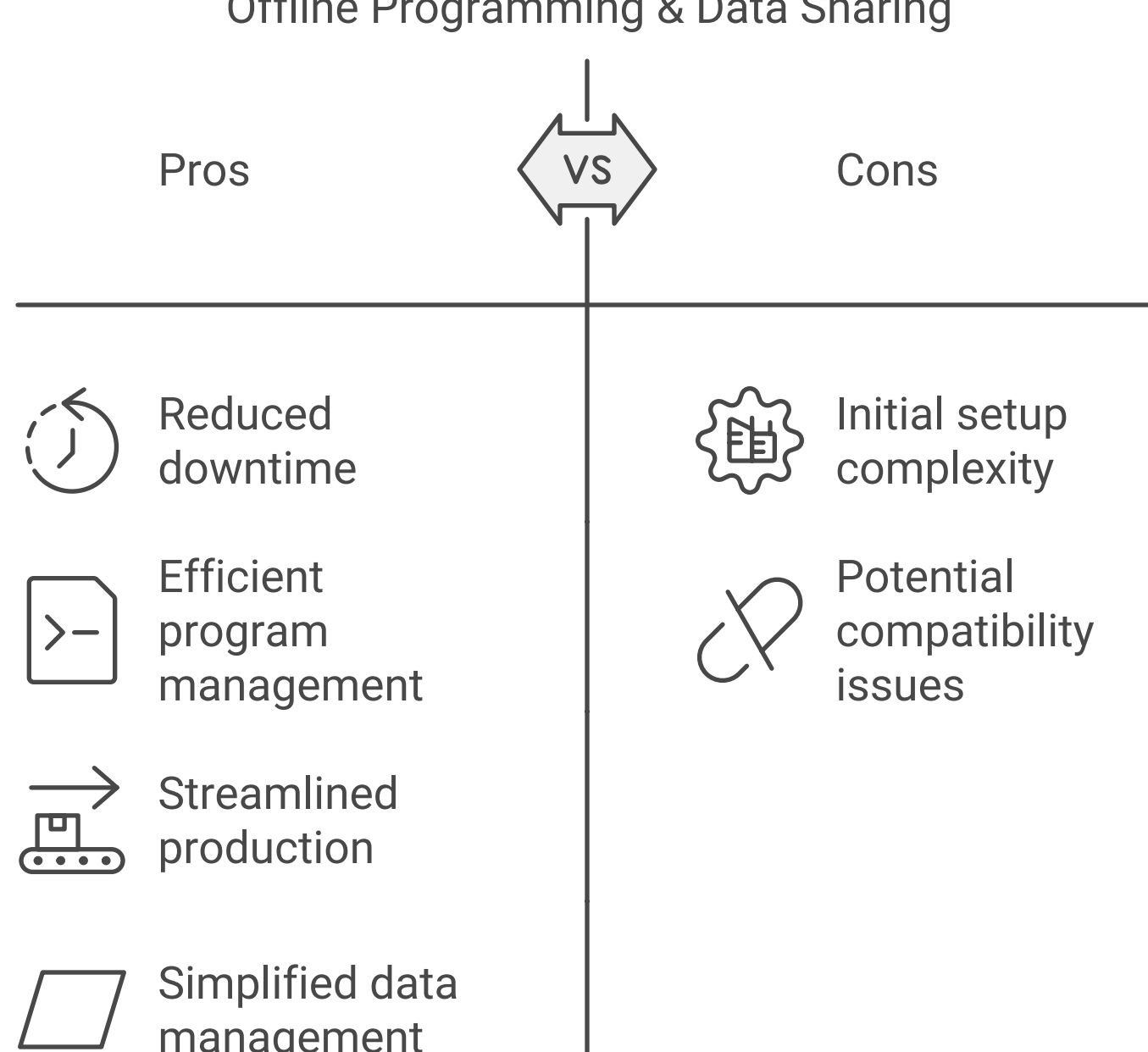
Capabilities

- The system is highly versatile, handling components ranging from **3x3 mm to 30x30 mm** and PCBs from **50x50 mm to 330x330 mm**.
- It offers flexibility with adjustable feeders that can switch between tape and vibration feeding.
- Southern Machinery's odd form feeders are compatible with radial, axial, and vibratory feeding methods.
- They accommodate a wide range of component types, including:
 - Capacitors
 - Resistors
 - LEDs
 - Transformers
 - Relays
 - Transistors
 - ICs
 - Connectors
- Southern Machinery also provides customized solutions for specific component types and applications.
- The lead clinching feature ensures secure component installation and enhances product reliability.
 - It prevents component floating during the soldering process.
 - Adjustable clinching angles (15 to 30 degrees) and lead diameters (up to 1 mm) are possible.



Southern Machinery's odd form feeder systems, with their cost advantages, efficiency improvements, and extensive capabilities, present a compelling alternative to traditional THT machines, especially for manufacturers seeking automation and flexibility in handling odd form components.

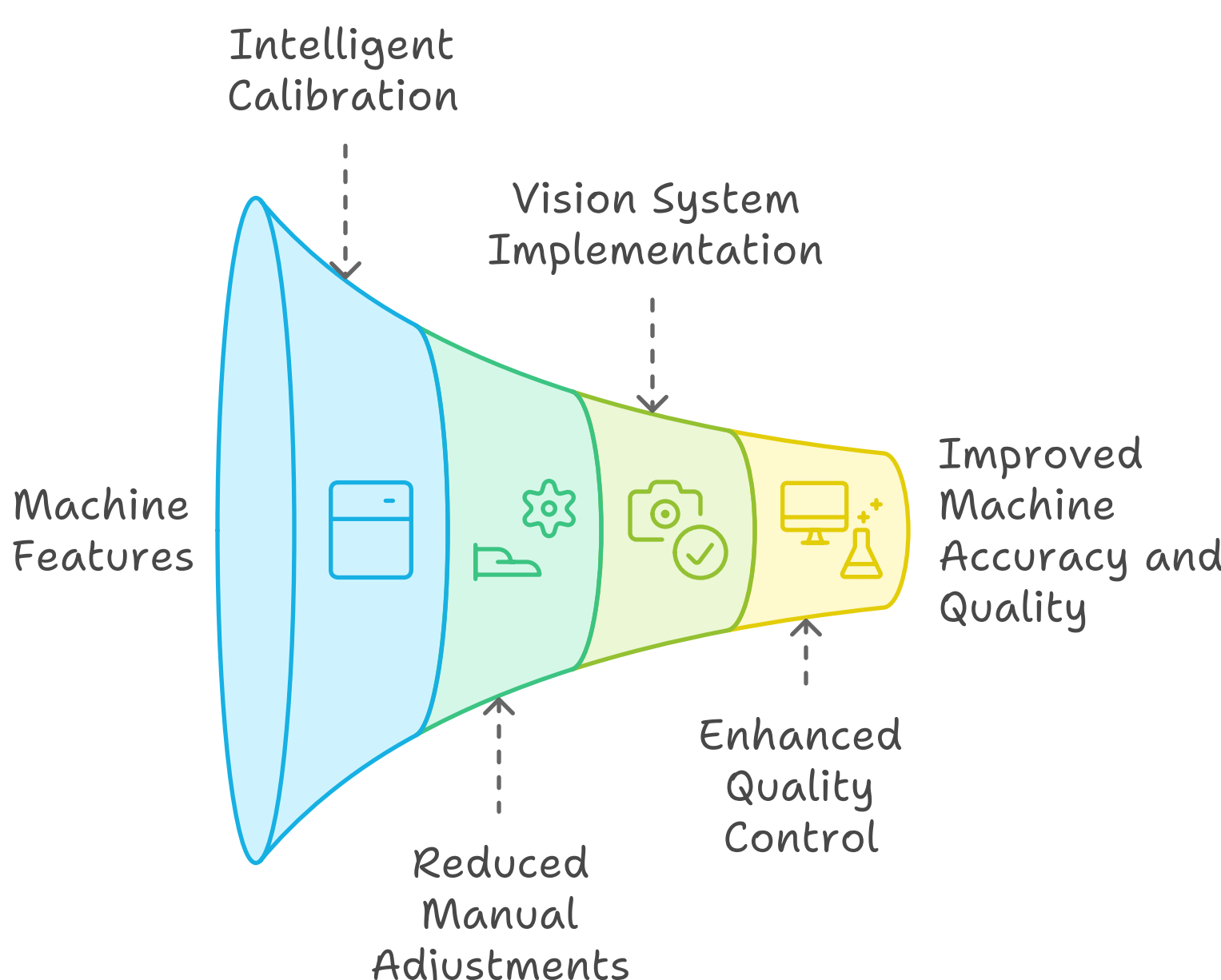
Offline Programming & Data Sharing • Feature: Offline Programming: Allows you to create and edit insertion programs on any external computer. • Advantage: Reduces machine downtime and allows for efficient program management. • Feature: Data Sharing: Program and production data can be shared with other devices. • Advantage: Streamlines production processes and simplifies data management.



Intelligent Calibration & Vision System (Optional)

- **Feature:** Intelligent Calibration of Precision: Utilizes multiple algorithms to analyze and correct errors, ensuring consistent accuracy.
- **Advantage:** Improves accuracy over time, **reducing the need for manual adjustments**.
- **Feature:** Vision System (Optional): Uses CCD cameras to verify component placement and detect errors.
- **Advantage:** Enhances quality control and reduces defects.

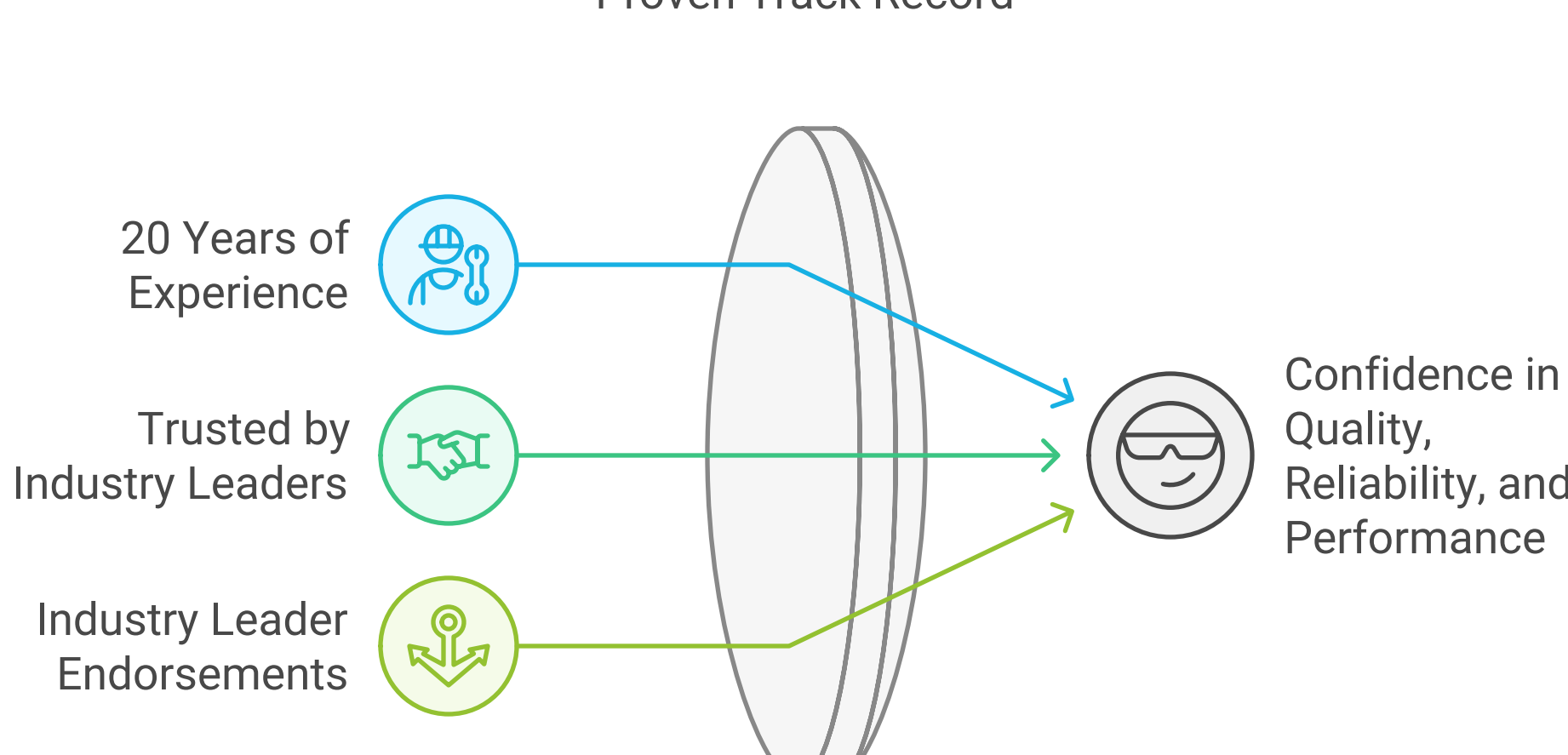
Enhancing Machine Precision and Quality



Slide 8: Proven Track Record

- **Evidence:** Southern Machinery has over 20 years of experience in SMT and Auto Insertion solutions.
- **Evidence:** Trusted by industry leaders such as GE, Bosch, Philips, Flex, Jabil, and Juki.
- **Benefit:** You can be confident in the **quality, reliability, and performance** of the OIM-2FS-W.

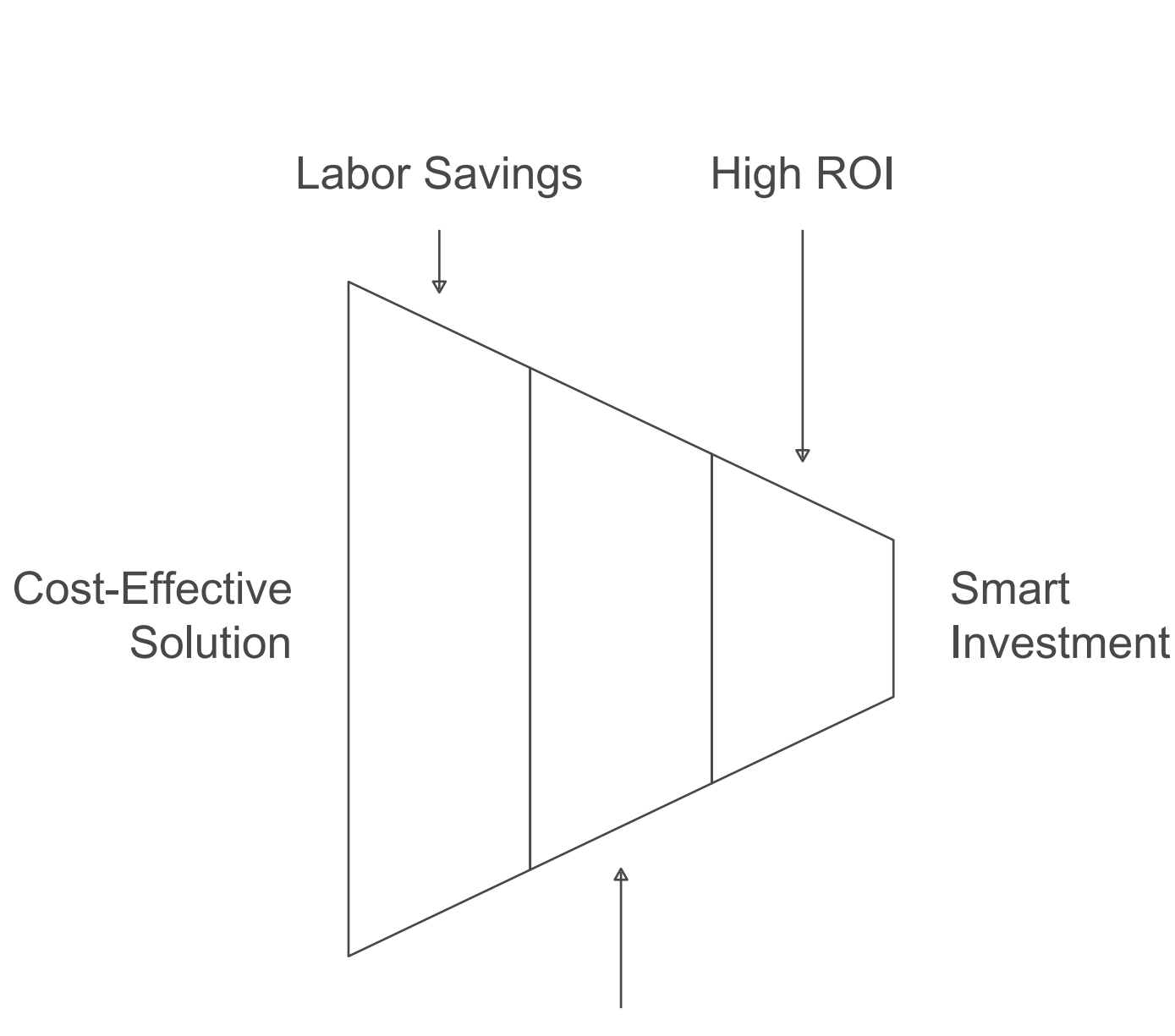
Proven Track Record



Slide 9: Investment and ROI

- **Feature:** Odd form feeders offer a low-cost alternative to full THT machines (approx. $\$5K-\$8K$ vs. $\$50K-\$70K$).
- **Advantage:** Significant savings on labor costs and improved efficiency lead to a **high ROI**.
- **Benefit:** The OIM-2FS-W is a **smart investment that will quickly pay for itself**.

Path to High ROI with OIM-2FS-W



Slide 10: Call to Action

- **Headline:** Ready to **Optimize Your Odd Form Insertion Process?**
- **Contact Information:** Website, email, phone number, social media links
- **Image:** Engaging visual encouraging viewers to contact Southern Machinery for more information and a personalized quote.

Enhancing Odd Form Insertion

