

Autoflex loader™

A Vision Guided
Robotic Solution

Maximizing the Value of Your Labor

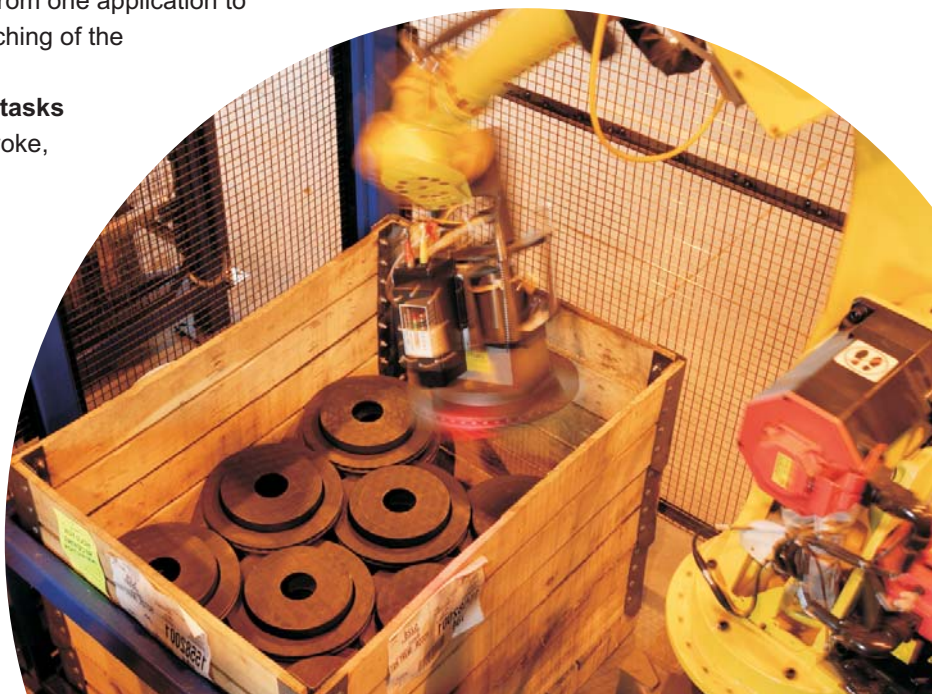
An Economical Solution
with a Substantial Return on Investment



The Autoflex Loader™ is a production-ready, flexible, bin-picking or de-palletizing solution. It uses off-the-shelf components from vision industry leaders that are combined with any brand of robot. The Autoflex Loader™ provides an economical solution to common labor issues. With lower initial capital costs and a faster return on investment over other solutions, its benefits can be experienced immediately.

By design, the Autoflex Loader™:

- **Eliminates non-value added labor tasks** of bin-unloading.
- **Reduces expenses** associated with performing ergonomically undesirable tasks (i.e. WSIB costs/claims, liability costs, reduced stress and strain injuries).
- **Increases system throughput** as operators with heavy parts and/or lift assists are often the process bottleneck.
- **Reduces dunnage costs** as it eliminates the need for part specific dunnage.
- **Has lower initial capital costs** by minimizing part specific tooling and fixturing.
- **Allows easy re-deployment** from one application to the next through simple re-teaching of the robot and vision system.
- **Performs other value-added tasks** such as quality checks, Poka-yoke, inspection and gauging.



The Autoflex Loader™ is a trademark of
JMP Engineering Inc.



Autoflex
loader™

Maximizing the Value of Your Labor

**A Complete Solution
Matched to Your Needs**

Each Autoflex Loader™ consists of four key building blocks: a vision system, lighting, a robot, and end-of-arm tooling (EOAT). The vision system and lighting are either built into the robot EOAT or mounted above the robot pickup point. For each loader, JMP combines the most appropriate vision technology (2-D, 2 ½-D or 3-D) and EOAT to produce the best value for your requirements. Every Autoflex Loader™ solution includes a pre-sale trial, tooling and engineering design, testing, installation, and commissioning support.

Need More Information?

The Autoflex Loader™ works in most unloading or de-palletizing applications. For more information or to arrange a complimentary on-site evaluation, simply contact:
JMP Engineering Inc.
Phone: 519-652-2741
Email: sales@jmpeng.com
Web: www.jmpeng.com

**Under Pressure to
Improve Labor Value?**

The Autoflex Loader™ uses vision guidance technology to enable a standard 6-axis robotic arm to perform tasks that previously required the flexibility of a person to complete. By combining the strength and precision of a robot with the adaptability and flexibility of a human, the Autoflex Loader™ takes care of non-value added work allowing you to reallocate resources where they can provide the greatest value.

**How Does the
Autoflex Loader™ Work?**

The term “vision guidance” refers to the use of an industrial vision system to identify and locate a desired object’s position in space. The coordinates of the part’s location are then passed to the robot and used to guide the robot to the part to complete the desired operation. The biggest advantage of vision guidance is the simplification and/or elimination of tooling/fixtures, allowing parts to be either loosely fixtured or not fixtured at all.

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Turning business thinking to performance