MACHINEX PRESENTS SAMURAI™ AT WASTE EXPO & IFAT – A SELF-AWARE SORTING ROBOT

April 19th, 2018 — Machinex is proud to present its new sorting robot, SamurAI™, at Waste Expo – Las Vegas, April 24-26. Visitors will be able to see this new machine in grand premiere at booth 3435. Machinex will also present SamurAI™ at the IFAT exhibition in Munich, Germany, May 14-18, booth B5.112.

Featuring a unique 4 articulations robot, this machine employs superior artificial intelligence technology to identify materials for an accurate, positive product recovery or a precise quality control function. The AI operates according to a pre-determined order of task hierarchy to maximize financial return while continually improving and learning from operating experience to assure maximum recognition efficiency.

Compared to a human sorter, which achieves an average of 35 picks per minute, the SamurAI™ manages to double this average by reaching 70 picks per minute. The SamurAI™ has been designed to accommodate sorting conveyors width up to 48 inches while offering a modular design for multiple robot configurations.

In a constant desire to provide the market with the best sorting solutions, Machinex has responded to the requirements of MRF operators. This robotic solution will reduce their reliance on manual labor working in difficult environments, therefore reducing ongoing operating costs while improving overall system performance.

Over recent years Machinex have developed equipment such as ballistic separators and optical sorters for integration into both new and existing sorting facilities to achieve extremely high recovery & purity levels. The SamurAI™ therefore comes in support to enhance the automation and the performance of the complete plant in order to reach the strict quality standards of the local and export markets and divert more material from landfill.

Pierre Pare, CEO of Machinex Group, says: "We developed this technology further to always answer the evolution of the market needs. Machinex has nearly 35 years of knowledge and experience in the waste and recycling industry, developing and integrating technologies in material recovery facilities, thus ensuring that our clients always remain ahead of the market.''

After a very detailed and rigorous process to select a partner to provide Machinex with an artificial intelligence system, AMP Robotics was engaged due to their wide experience and expertise within the recycling industry. AMP Robotics is well represented within the North American market and their AI technology is installed and successfully operating in several material recovery facilities. The role of AMP Robotics will be to provide the artificial intelligence for the robot, while Machinex will provide all of the required robotic hardware and will ensure its complete system integration.

Matanya Horowitz, CEO of AMP Robotics: "We are very excited to be partnering with Machinex, an industry leader in material recovery. With Machinex we not only expand our market reach but gain a truly collaborative and deeply experienced partner who shares our vision of the potential of artificial intelligence in the recycling industry."

The first two SamurAI™ will be installed immediately following Waste Expo in May 2018 locations in both the United States and Canada. With the two new SamurAI™ and multiple AMP installations, Machinex is positioned to deliver the knowledge and experience to insure successful future operations. Further robots are soon to

be installed while a number of other sales are currently being finalized with customers both from North America and Europe.

Origin of SamurAI™
SamurAI™ is more than a branding name for an equipment; its meaning contains a hereditary dedication to serve, now utilized within the MRF operation. The Machinex SamurAI™ code of honor perfectly describes what you should expect it: FAST, PRECISE, RELENTLESS & SELF-AWARE.

About Machinex
In the early 1980s, Machinex became the first company in Canada to design machinery for material recycling facilities. The company immediately established itself as a leader in designing profitable and high-quality recycling sorting systems. Today, Machinex is still a world leader in the industry, developing cutting edge sorting, waste management, and recycling technology. Over the years, their experts have designed and installed over 350 turnkey facilities in partnership with leading MRFs in Canada, the United States, Europe and Oceania. For more information, visit the Machinex web site www.machinextechnologies.com .

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