ADVANCED ROBOTIC TECHNOLOGY

Major milestones

1997
- David White develops his first CNC motion control system.
- First CNC router created in garage

1998
- ART moves to it's first commercial building in Capalaba Qld.
- ST routers and plasma cutters are produced using PC based motion control with stepper motor drives.

2000
- First servo-motor drive systems are developed for SV & SVP machines.

2002
- First high definition plasma cutting table designed.
- First large-format aluminium boatbuilding router sold.

2003
- First Auto-Tool-Change & Multi-Drill SX Router developed for cabinet makers.
- ART ProfileShop V2 controller software debuts.

2004
- ProfileShop V3 Controller released providing unparalleled ease of use and features.

2005
- Large-format aluminium SX routers become a hot commodity for export market. Sold into Russia, USA, Asia, EU, UK, NZ
- HDP High-definition Plasma Tables become an "Industry Standard"

2006
- ART moves into purpose built premises in Lytton Qld.
- Larger premises facilitates construction of super-sized machines

2008
- Highly versatile XR Router released with huge range of options including touchscreen control, wireless pendant, steered knives, saws, toolchanger.
XR becomes popular export product.

2010
- Super Heavy-Duty RT Mill/Router released. The RT becomes industry leader in aluminium plate processing. Powerful enough to mill carbon steel.
- ART ToolShop in-house developed CAD/CAM software is released to the public as a stand-alone application

2011
- XRP Plasma supercedes old SXP air plasma machines. Combines wireless pendant and integrated touchscreen along with superior performance and cut quality..

2012
- Metaltek 5 axis plasma cutting machine developed for the Oil & Gas Industry.
- Blind & Awning cutting machine released with complex material handling system, ultrasonic knife and custom tooling.
- ProfileShop 4 3D Multi-Axis Controller Software makes it's debut

2013
- Metaltek XB1200 Robotic Structural Steel Processing System begins R&D phase. Intensive refinement process begins
- First prototype XB1200 is constructed
- ProfileShop capabilities expanded to include robotic functionality

2014
- Second & Third XB1200 prototypes (revision 2) installed at industry partner sites
- Robotic arm is redesigned twice during year.
- First ART metal cutting fibre-laser machine developed and built

2015
- XB1200 capabilities expanded to plate and pipe cutting.
- New ultra heavy-duty HDP High Definition Plasma released.
- Integrated machine vision developed so machine can "see" the job and cut to printed outlines of signs etc.

2016
- Metaltek XB1200 (revision 3) prototype is commissioned
- Robotic arm is re-engineered in cast aluminium.
- Laser vision system developed and integrated into cutting head for non-contact measuring.
- Robotic technology is migrated from XB1200 into 5 Axis Flat-bed Bevel Plasma Machines.

2017
- Final XB1200 prototype completed after total re-engineering for ease-of-manufacture.
- 2nd generation Laser-Vision system developed to provide superior accuracy when measuring varying surfaces
- ART ToolShop CAD/CAM software receives a major revision using new 3D graphics kernel and major nesting

2018
- ART awarded Federal Government grant to construct XB1200 demonstration facility to enable full commercialisation of product.
- Construction of demo facilities commenced April 2018
- 5th generation XB1200 begins production as a commercial product.

2019
- ART enters the US market followed by Europe