

# Industry Leading Global Manufacturer

## KMT WATERJET SYSTEMS

### ULTRA-HIGH PRESSURE PUMPS & COMPONENTS

The Birthplace of Waterjet Cutting with Over 40 Years of Global Waterjet Technology



**KMT Product Offerings:** UHP 60,000psi Pumps, Including the PRO 90,000psi Pump, Abrasive Waterjet Cutting Nozzles, Pneumatic Cutting Valves, Abrasive Metering Delivery Systems, Intensifier Parts, High Pressure Valves, Fittings and Tubing and Robotic Applications.

#### Global Headquarters Located in Baxter Springs, Kansas

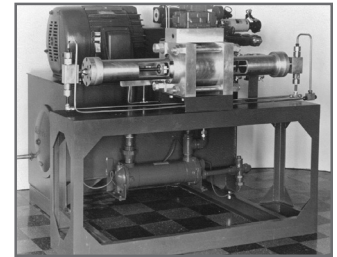
Beginning in 1954, the now decades old, ever-expanding building located at 635 West 12th Street in Baxter Springs Kansas, has seen it's share of manufacturing highs and lows. Built on the hard work, ingenuity and sweat of its employees, then McCartney Manufacturing Co. was the very fabric of American manufacturing in post WWII era.

**Joe McCartney's dream began in 1947**, 2 blocks east, in an abandoned gas station where he built equipment for the manufacturing of wooden toys. The company moved to a larger facility in 1954, and evolved into making parts for the booming polyethylene business, primarily supplying parts for poly-gas oil compressors to the Ingersoll Rand Company.

Due to poor health, Joe sold his company in 1963 to Ingersoll Rand, where they began experimenting with high pressure intensifiers, and discovered that "water under pressure" could cut most anything!

#### First Waterjet Intensifier Installation. Circa 1971

In 1971, history was made when the very first waterjet cutting system was installed in Illinois at a cardboard box manufacturing facility.



**In 2003, Sweden based Karolin Machine Tool (KMT) Co.** expanded their tooling business by purchasing the poly and waterjet division from Ingersoll Rand.

KMT waterjets are sold worldwide with offices in Canada, China, France, Germany, India, Italy, Korea, Mexico, Poland, Spain, United Arab Emirates and the UK.

Additionally, the polyethylene division continues to thrive and grow, and carries on the legacy of the McCartney name, where it is known worldwide as McCartney Products.



**KMT McCartney Products** include high quality, ultra-precision standard or custom machines and parts for low density polyethylene equipment (LDPE) industry. Equipment includes injection pumps and precision machined parts used in low density polyethylene.

The Right Pump Matters





### KMT Purchases Aqua-Dyne in 2005

Aqua-Dyne Inc. is a leading manufacturer of high-pressure water jetting systems, pumps, water blasting guns and accessories.

Aqua-Dyne manufactures high-pressure water blasting equipment from 1,000 psi to 40,000 psi for surface preparation, industrial cleaning, hydrostatic testing, water blasting and hydro-demolition.

Aqua-Dyne equipment is used worldwide in the marine industry for ship & dock cleaning, in oilfields for pipe cleaning, unclogging mining machinery, power stations, automotive and aviation industries...and much more!

### H2O JET



### KMT Acquires H2O Jet in 2006

H2O Jet manufactures ISO 9001 Certified waterjet components servicing \*Flow compatible and industry-wide waterjet parts replacement.

H2O Jet is where innovative products, quality performance, and dedicated service combine to provide superior waterjet systems and components for customers.

Products include intensifier assemblies and components, water jet cutting head assemblies, diamond orifices, IDE™ Cutting head, short stop filters, nozzle nuts and bodies, abrasive nozzles and mixing tubes, and much more!

\*H2O Jet manufactures their own waterjet parts and is in no way associated with Flow. Flow is a registered trademark & the property of Flow International Corporation.

## KMT WATERJET CHRONOLOGY

- 1946 McCartney Products founded by Joe McCartney, in Baxter Springs, KS
- 1951 Manufacturer of first LDPE high pressure pump with 36,000 psi/ 2.500 bar for the chemical industry
- 1964 Ingersoll Rand acquires McCartney Products and lays foundation for Waterjet Division
- 1971 The Birth of Waterjet - Ingersoll Rand launches the first commercial installation of the STREAMLINE® SL-I 55,000 psi/4.000 bar high pressure pump for waterjet cutting cardboard in Alton, IL
- 1986 Best-Matic opens the waterjet center in Bad Nauheim, Germany
- 1988 STREAMLINE® SL-II 55,000 psi/4.000 bar introduced
- 1989 Ingersoll Rand (IR) takes over the Best-Matic Group
- 1990 STREAMLINE® SL-III 55,000 psi/4.000 bar launched
- 1986 Best-Matic opens the waterjet center in Bad Nauheim, Germany
- 1993 IR Bad Nauheim appointed sales office for HP pumps for ESA (Europe, Africa, Middle East & Asia)
- 2001 AMS abrasive management system launched
- 2002 STREAMLINE® SL-IV Plus with 60,000 psi/4.137 bar high pressure introduced
- 1996 STREAMLINE® SL-IV 55,000 psi with fewer intensifier parts launched
- 1996 Autoline® cutting head is introduced with interchangeable orifices, representing an alignment efficiency & performance breakthrough
- 2001 AMS abrasive management system launched
- 2002 STREAMLINE® SL-IV Plus with 60,000 psi/4.137 bar high pressure introduced
- 2003 Karolin Machine Tool (KMT) purchases the waterjet division from Ingersoll Rand
- 2004 STREAMLINE® SL-V 60,000 psi/4.137 bar with HSEC (Hard Seal End Cap) Technology is introduced with a metal-to-metal seal, reducing consumables to save operating costs
- 2005 KMT acquires Aqua-Dyne® water blasting products
- 2006 KMT acquires H2O Jet™, waterjet pumps, and aftermarket parts products
- 2008 Acquisition of the KMT Group by Swedish investment company Nordstjernan
- 2008 Launch of IDE® Cutting Nozzle with permanent diamond mounted orifice improving alignment and cutting performance
- 2009 KMT opens Shanghai, China office for sales and service to the Asia-Pacific Region
- 2009 KMT introduced the STREAMLINE PRO® 90,000 psi/6.200 bar 60 HP Ultra-High Pressure Pump
- 2010 STREAMLINE PRO® 90,000 psi/6.200 bar 125 HP Ultra-High Pressure Pump---World's Fastest Waterjet Cutting is introduced
- 2011 NEOLine® 55,000 psi/3.800 bar 40 HP Pump is launched as a value option for small job shops
- 2013 Acquisition of the KMT Group by the American investment company American Industrial Partners
- 2015 Launch of the STREAMLINE® SL-VI 60,000 psi/4.137 bar, a configurable pump offering options from Basic to Fully Loaded
- 2016 KMT releases the STREAMLINE PRO® III Series 90,000 psi/6.200 bar HP Pumps with advanced high pressure seal technology for maximum uptime



THE HEART OF WATERJET CUTTING

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