

KMT
WATERJET

NEO SERIES

Leading Edge Technology for Today



Powering the World in Waterjet Technology

PERFORMANCE AT A VALUE

NEO[®] 50 SERIES



WORLD CLASS ENGINEERING AND DESIGN

The KMT Waterjet NEO Pump incorporates over 50 years of experience offering unparalleled waterjet cutting technological achievements. From the proven performance of our threaded high-pressure cylinders which eliminates any misalignment during assembly, to our leading-edge hydraulic control valve design that provides seamless, lag free topworks shifting, the NEO 50 is Best in Class.

FIRST IN CLASS COMMAND AND CONTROL

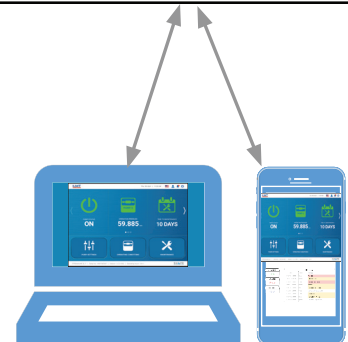
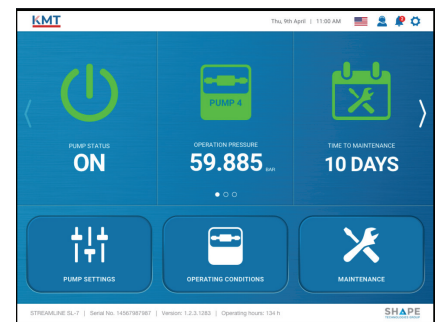
The NEO 50 command & control is performed from the OEM's controller via ethernet connection. The user friendly controls, alarms, data storage, and pump operating parameters are monitored and performed locally at the OEM's controller. This cutting edge technology permits real time monitoring and puts the command and control with the operator.

PROVEN PERFORMANCE AND RELIABILITY

Time tested & proven performance of the NEO 50 components are the foundation for its Lowest Cost of Ownership. The superior design of the patented high pressure seals ensures maximum uptime & continuous cutting. Consideration for the operator from removable doors, easily accessible dump valve, and the ergonomic design of the topworks, all combine to make the NEO 50 the Industry Leader.



Remote HMI



ADVANCED DESIGN

STANDARD FEATURES ON THE NEO 50

- ✓ Proportional Control Provides Ultimate Pressure Control
- ✓ Booster Pump For Positive Water Pressure to Topworks
- ✓ Soft Start Motor Eliminates Voltage Spikes

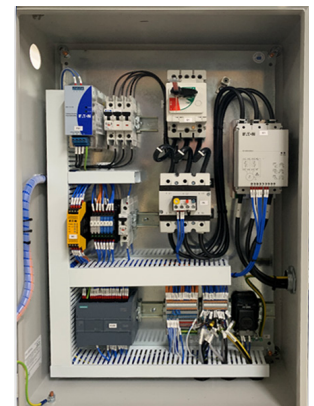
BENEFITS OF THE NEO 50 DESIGN

- ✓ Threaded Cylinder Design Provides Least Down Time & Exacting Alignment
- ✓ Patent Protected HP Seals Design Provides Maximum Life
- ✓ Lag Free Hydraulic Shifting
- ✓ Advanced Command & Control Offers Real Time Monitoring/Control
- ✓ Removeable Magnetic Doors For Faster Maintenance
- ✓ Ergonomic Dump Valve Location For Ease Of Maintenance



NEO 50 OPTIONS

- ✓ Extended PM Program Available
- ✓ Oil/Air Cooler
- ✓ Food Grade Oil



SPECIFICATIONS

DESCRIPTION	NEO 50
Motor Rating	50HP/37KW
Pressure Range	10,000 - 60,000 PSI
Max. Flow Rate	1.0 GPM @ 60,000 PSI
Max. Orifice	.014" @ 60,000 PSI <small>*Contact KMT for information on orifice size with multiple cutting heads.</small>
Dimensions	60.16" x 42.17" x 48.23"
Weight	2,505 lbs
CUTTING WATER CIRCUITRY	
Accumulator Volume	1.0 L
Min. Cutting Water Pressure	45 PSI
Min. Cutting Water Inlet Flow Rate	2 Gallon
Booster Pump	INCLUDED
ELECTRICAL & CONTROLS	
Soft Start Motor Starter	INCLUDED
Proportional Pressure Control	INCLUDED
Control System	Seimens S7-1200
Interface Connection	MODBUS TCP/IP via Ethernet
Display	via web - HMI (Multi-Language)
COOLING CIRCUITRY	
Cooling Mode	Oil/Water
Ambient Temp. Oil/Water Exchanger	40 degrees - 113 degrees F
Ambient Temp. Air/Oil Exchanger	40 - 86 Degrees F Max (OPTIONAL)
Cooling Water Pressure	35 - 100 PSI
Cooling Water Consumption @ 75 degrees	3 GPM



NEW | 2.0 | KMT CUT CALCULATOR APP

Compare cutting materials and cut speeds at 90,000 psi vs. 60,000 psi.

The KMT Calculator **2.0** now



incorporates 25 materials, offers a wider range of substrate thicknesses,

horsepower, orifice size & abrasive rates.

KMT Genuine Parts & Service

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SHAPE TECHNOLOGIES GROUP®

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Our Global KMT Genuine Service Teams are highly qualified, averaging 15+ years of waterjet experience.



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KMT. Powering the World
in Waterjet Technology
for 50 Years

