PRO SPECIFICATIONS

DESCRIPTION	60
Motor Rating	60hp (45kw)
Pressure Range (Deadhead)	90,000psi (6.200 bar)
Max. Flow Rate at Max. Pressure (60 Hz)	0.78 gal/min (2.9 lpm)
Length	83.7" (2,126 mm)
Width	53.7" (1,364 mm)
Height	59.3" (1,506 mm)
CUTTING WATER CIRCUIT	
Attenuator Volume	.42 gal (1.6 L)
Cutting Water Inlet Pressure	35-85psi (2.41-5.86 bar)
Min. Cutting Water Inlet Flow	4.0 gal (15.1 L)
Low Pressure Filter	10 μm abs.
CONTROLS & ELECTRIC	
Nom. Current at 480V/60Hz (Full Load Amp)	77 A
HYDRAULICS	
Hydraulic Tank Capacity	55.8 gal (211 L)
Oil Level and Temperature Control	Sensor
STANDARD FEATURES	
Adjustable Booster Pump	
Cutting Water Inlet Shut-Off Valve	
Dual Pressure Setting	
Oil Drip Pan	
Dump Valve	
Water Cooled Heat Exchanger	
Cover	
Doors	
High Pressure Transducer	
OPTIONAL FEATURES	
Air Cooled Heat Exchanger	
Motor Rewind for 575v & CSA	
Proportional Control	
Redundant Intensifier	
Soft Start/Electronic/Y-Delta	

DESCRIPTION	125
Motor Rating	125hp (93.2kw)
Pressure Range (Deadhead)	90,000psi (6.200 bar)
Max. Flow Rate at Max. Pressure (60 Hz)	1.59 gal/min (6.0 lpm)
Length	88" (2,230 mm)
Width	59.09" (1,500 mm)
Height	61.12" (1,552 mm)
CUTTING WATER CIRCUIT	
Attenuator Volume	.42 gal (1.6 L)
Cutting Water Inlet Pressure	35-85psi (2.41-5.86 bar)
Min. Cutting Water Inlet Flow	8 gal (30 L)
Low Pressure Filter	10 μm abs.
CONTROLS & ELECTRIC	
Nom. Current at 480V/60Hz (Full Load Amp)	156 A
HYDRAULICS	
Hydraulic Tank Capacity	110 gal (416 L)
Oil Level and Temperature Control	Sensor
STANDARD FEATURES	
Adjustable Booster Pump	
Cutting Water Inlet Shut-Off Valve	
Dual Pressure Setting	
Oil Drip Pan	
Dump Valve	
Water Cooled Heat Exchanger	
Cover	
Doors	
High Pressure Transducer	
Proportional Control	
Soft Start	
OPTIONAL FEATURES	
Air Cooled Heat Exchanger	
Motor Rewind for 575v & CSA	
Electronic/Y-Delta Start	

NOTE: Applies to all pumps:
Min. pneumatic air pressure 86 PSI
Max. pneumatic air flow rate 1 SCFM
Ambient temp. @ Oil-to-Water cooling circuit 41 - 106 °F
Ambient temp. @ Oil-to-Air cooling circuit 41 - 86 °F

MAX. ORIFICE SIZE:

PRO-III 60HP: .011
PRO-III 125HP: .016

KMT WATERJET Genuine Parts & Service

- SUPRAlife seals guaranteed for 500 hours*
- Onsite Post Installation Assessment by KMT Genuine Service Technician
- Standard One Year Warranty with Option for Extended Warranty
- Includes Two Preventive Maintenance Visits in the First Year of PRO-III Ownership
- Be Secure Knowing your PRO-III is Serviced by the Experts at KMT Genuine Service
- Maintaining Optimal Performance, Efficiency and Reliability Through the Life of your Intensifier
- Setting the Standard for Service and Support in the Waterjet Industry

THE BEST VALUE IN THE WATERJET INDUSTRY

KMT WATERJET

- WATERJET PIONEERS
- GLOBAL NETWORK OF OEM's
- BROADEST RANGE OF WATERJET SYSTEMS

KMT Waterjet Systems Inc.
635 West 12th Street
Baxter Springs, KS 66713 USA
620-856-2151 • 800-826-9274
sales@kmtwaterjet.com
kmtwaterjet.com

WORLD'S FASTEST PRO WATERJET

60k / 90k

KMT WATERJET

kmtwaterjet.com

STREAMLINE PRO

Powering the World in Waterjet Technology for over 60 Years

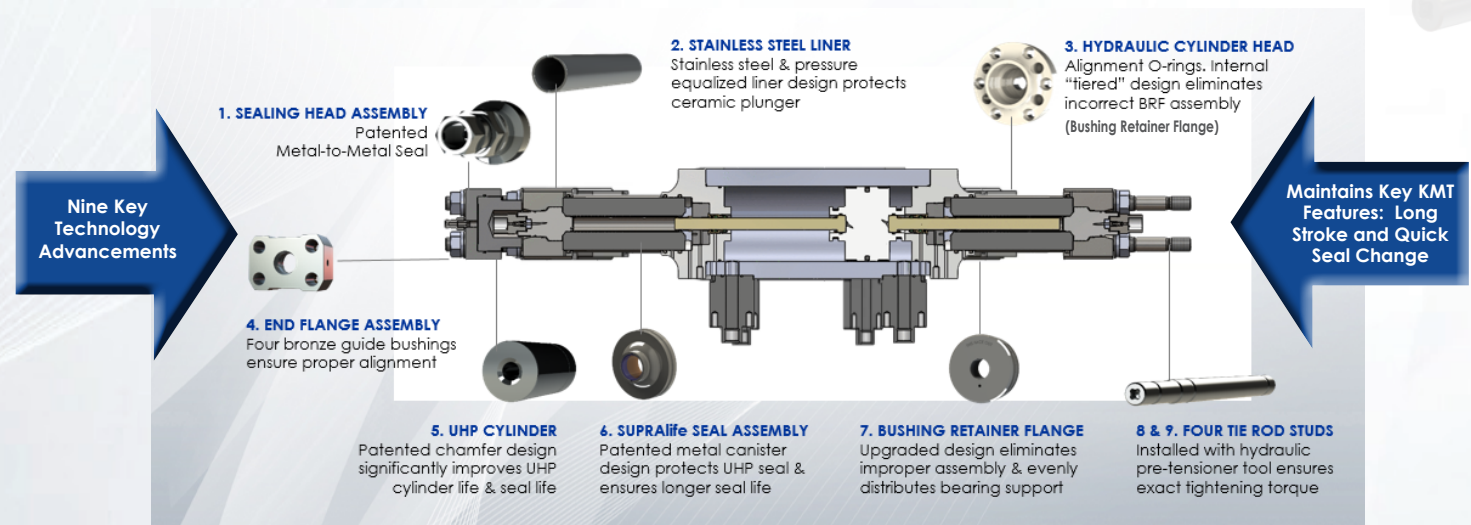PRO PUMPS

KMT STREAMLINE PRO® 90,000psi PUMP

SUPRAlife seals guaranteed for 500 hours (Terms & conditions apply)

Metal-to-metal seal design is more durable with no wear in the high pressure cylinder bore

Tie Rod Design with hydraulic loading tensioner guarantees longer lifetime of SUPRAlife seals

Stainless steel liner adds extra protection to ceramic plunger for longer life

Topworks can be retrofitted to PRO-I & PRO-II Pumps

Nine Key Technology Advancements

2. STAINLESS STEEL LINER
Stainless steel & pressure equalized liner design protects ceramic plunger

3. HYDRAULIC CYLINDER HEAD
Alignment O-rings. Internal "tiered" design eliminates incorrect BRF assembly (Bushing Retainer Flange)

1. SEALING HEAD ASSEMBLY
Patented Metal-to-Metal Seal

Maintains Key KMT Features: Long Stroke and Quick Seal Change

4. END FLANGE ASSEMBLY
Four bronze guide bushings ensure proper alignment

5. UHP CYLINDER
Patented chamfer design significantly improves UHP cylinder life & seal life

6. SUPRAlife SEAL ASSEMBLY
Patented metal canister design protects UHP seal & ensures longer seal life

7. BUSHING RETAINER FLANGE
Upgraded design eliminates improper assembly & evenly distributes bearing support

8 & 9. FOUR TIE ROD STUDS
Installed with hydraulic pre-tensioner tool ensures exact tightening torque
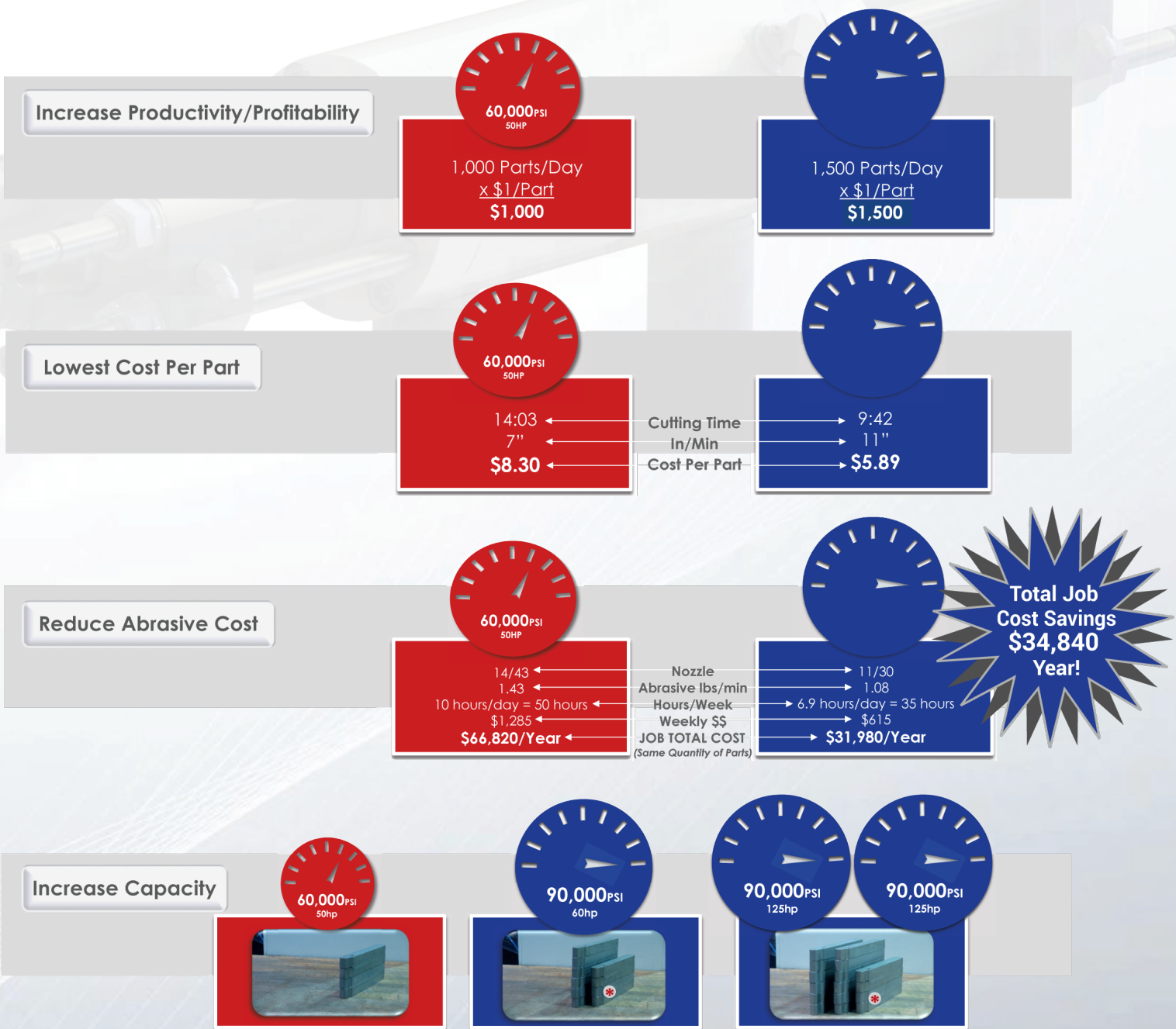
KMT PRO ADVANTAGE

Designed for maximum productivity, profitabilty, and extended performance. Combines the lowest cost of operating a waterjet pump with outstanding KMT Genuine Service support to provide optimum value.
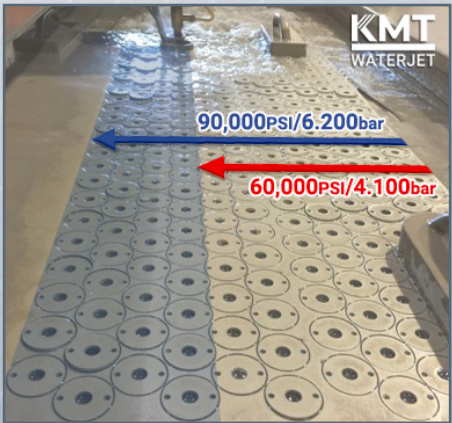
90,000 PSI
60,000 PSI
Cut 50% More Parts

60,000 PSI
90,000 PSI
Use 50% Less Abrasive

60 Minutes — 60,000 PSI
40 Minutes — 90,000 PSI
Cut 50% Faster

PATENTED PRO TECHNOLOGY:
LOWEST COST PER PART!

60,000psi vs. 90,000psi Comparison

The diagrams below shows the KMT PRO 90,000psi (60hp and 125hp) pumps compared to standard 60,000psi (50hp) waterjet pumps. The data demonstrates when **cutting 1 inch aluminum** at 90,000psi, there is a significant improvement in productivity, lower cost per part and substantial abrasive savings.

Increase Productivity/Profitability

60,000psi 50HP
1,000 Parts/Day
x $1/Part
$1,000

1,500 Parts/Day
x $1/Part
$1,500

Lowest Cost Per Part

	60,000psi 50HP		90,000psi
Cutting Time	14:03		9:42
In/Min	7"		11"
Cost Per Part	$8.30		$5.89

Reduce Abrasive Cost

	60,000psi 50HP		90,000psi
Nozzle	14/43		11/30
Abrasive lbs/min	1.43		1.08
Hours/Week	10 hours/day = 50 hours		6.9 hours/day = 35 hours
Weekly $$	$1,285		$615
JOB TOTAL COST (Same Quantity of Parts)	$66,820/Year		$31,980/Year

Total Job Cost Savings $34,840 Year!

Increase Capacity

60,000psi 50hp

90,000psi 60hp

90,000psi 125hp

90,000psi 125hp

*60,000psi Parts Shown for Comparison

90,000psi/6.200bar
60,000psi/4.100bar

NEW! Cut Calculator APP 2.0
Compare 90,000psi to 60,000psi cutting.
Increase Productivity @ 90,000psi!

Android

iOS