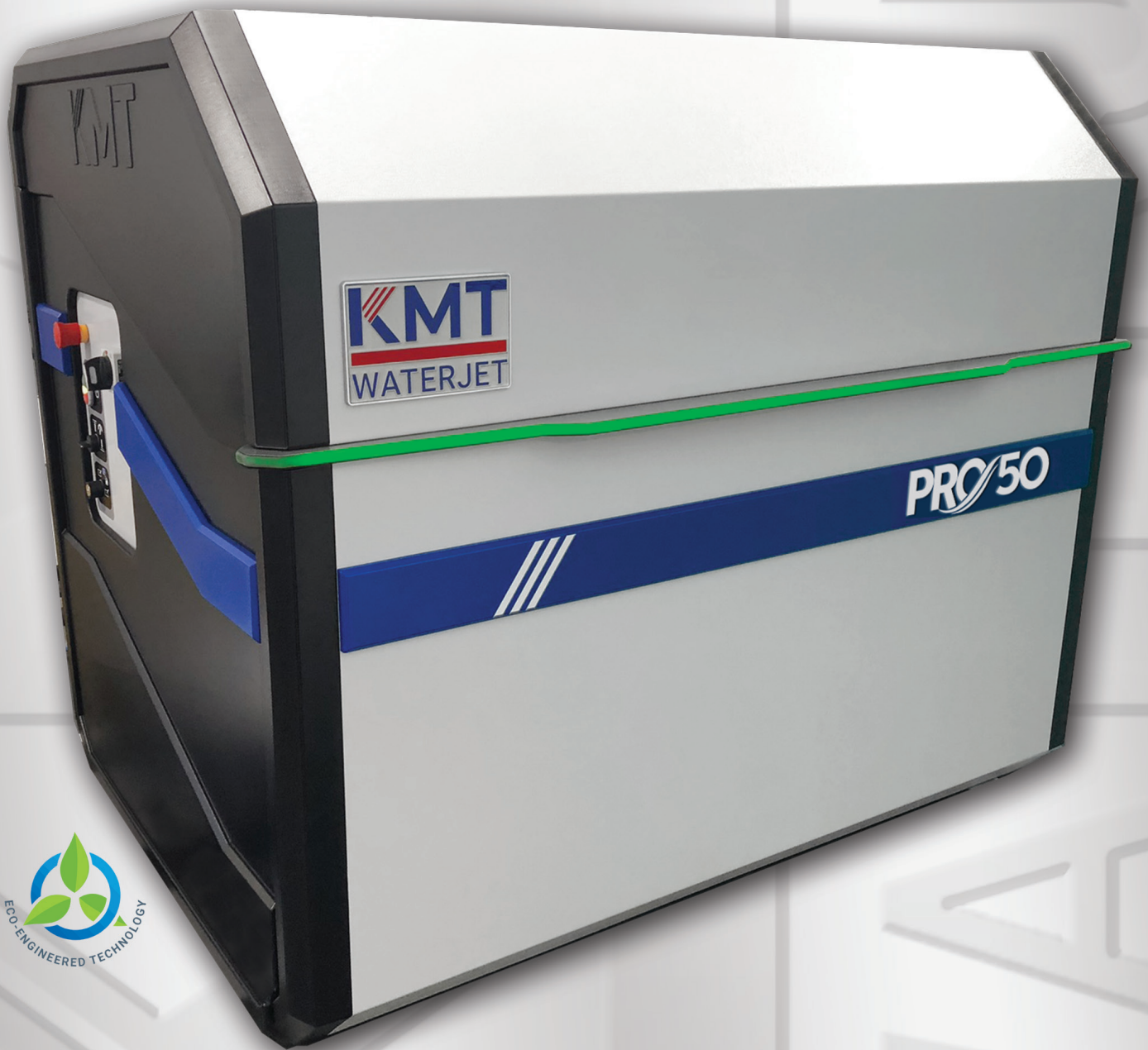


KMT
WATERJET

PRO 50

90,000PSI
Waterjet Cutting Pump



NEW GENERATION

MAXIMUM PRODUCTIVITY

INCREASE PROFITABILITY

WHY PAY MORE TO CUT LESS PARTS?

90,000PSI vs. 60,000PSI | Annual Production Numbers for Cutting 1" Stainless Steel:*



Industry Standard | 60,000psi/50hp

PRO 50 | 90,000psi/50hp



INCREASED CUT SPEED		REDUCED ABRASIVE USAGE	
Cut Speed (ipm)	Cut Time (hrs)	Abrasive Used (lbs)	Abrasive Cost (job)
1.29	2,080	178,500	\$44,625
1.81	1,477	95,733	\$23,933
40% INCREASE IN CUT SPEED	603 HRS. REDUCTION IN LABOR TIME	82,766 LBS. LESS ABRASIVE USED	\$20,692 SAVINGS IN ABRASIVE USAGE



LOWER COST PER PART

28% REDUCTION IN COST PER PART

\$46,799 SAVINGS IN JOB COST

Turn your 10 hour day into a 7 hour day!

* Data compiled from KMT Cut Calculator App 2.0

FACTORS FOR "LOWEST COST PER PART"

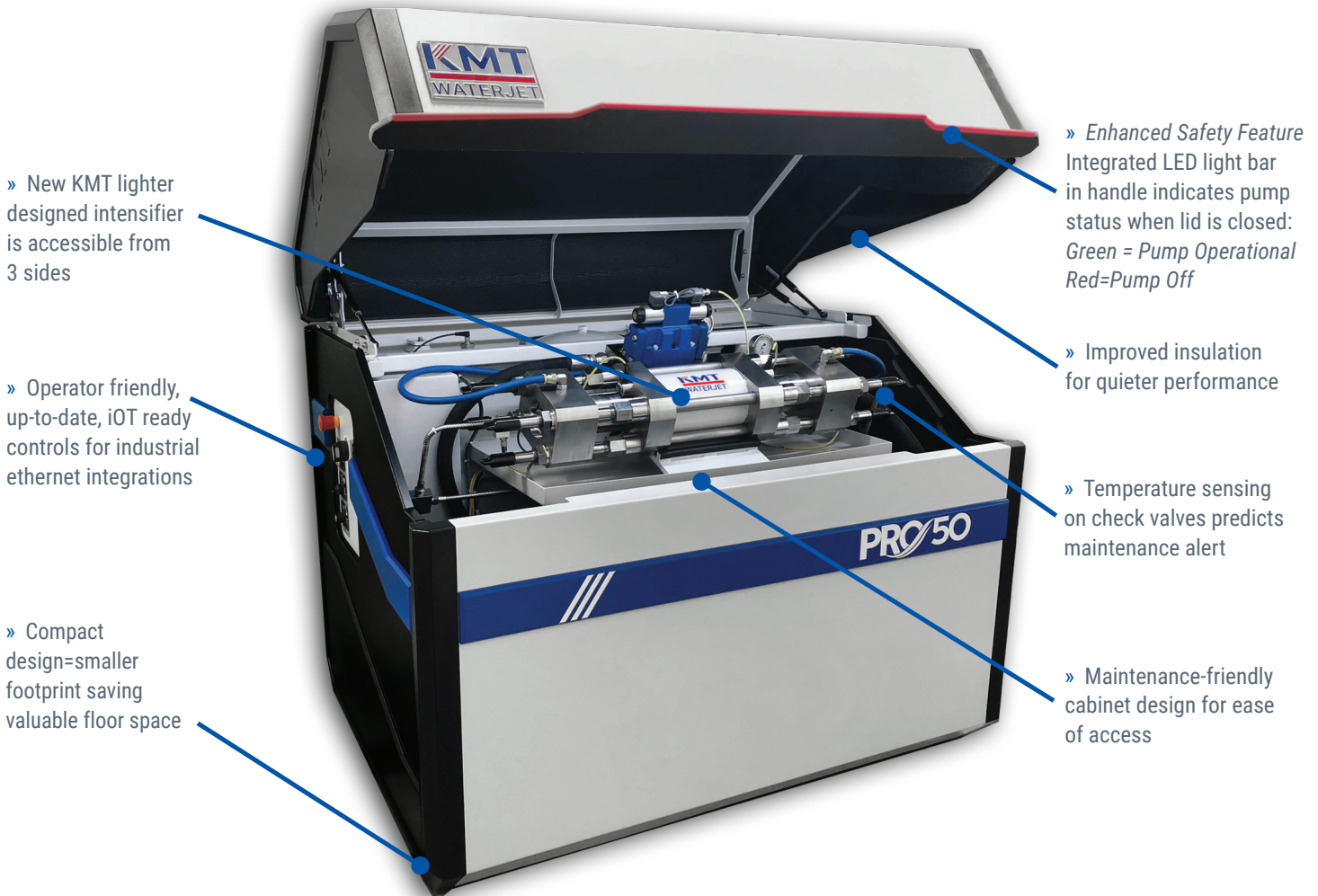


INCREASED CUT SPEED + REDUCED ABRASIVE USAGE = LOWEST COST PER PART & ECO-ENGINEERED BENEFITS

ECO-ENGINEERED BENEFITS

- » Significantly less abrasive
- » No fumes or gasses
- » Saves energy costs
- » Lower water consumption
- » Cold cutting process
- » Recycle water option

FEATURES & BENEFITS



CALCULATE CUTTING YOUR MATERIAL



KMT CUT CALCULATOR APP 2.0

The KMT Calculator 2.0 APP incorporates 25 materials, offers a wider range of substrate thicknesses, horsepower, orifice size and abrasive rates.

THE KMT PRO 50 PUMP

is designed for a lower investment while still delivering maximum productivity, profitability and extended performance cutting at 90,000PSI.

- ✓ 500 Hour Patented Seal Life Guarantee w/PM Program
- ✓ Cut Metals up to 12" Thick
- ✓ 2 Year Warranty

SPECIFICATIONS

DESCRIPTION	
Motor Rating	50 HP 37 kW
Pressure Range	15,000 - 90,000 PSI 1.000 - 6.200 bar
Max. Flow Rate	0.64 gal/min 2,4 l/min
Max. Orifice @ Max. Pressure	.010" 0,25mm
Dimensions (inch/mm)	51.6 x 45.8 x 62 1311 x 1163 x 1575
Weight	2,888 lbs. 1310 kg

CUTTING WATER CIRCUIT	
Topworks	KMT PRO Compact
Accumulator Volume	0.26 Gallon 1 Liter
Min. Cutting Water Inlet Pressure	45 PSI 3 bar
Min. Cutting Water Inlet Flow Rate	2 Gallon 7,6 Liter
Booster Pump	Included
LP Filter	1 x 1 um + 1 x 0.5 um
High Pressure Outlet Connection	3/8" 9,5 mm HP (Female)
Low Pressure Connection	1/2" 12,7 mm NPT
Drainage Connection	1/2" 12,7 mm NPT

ELECTRIC & CONTROLS	
Motor Starter	Soft Start
Maximum Pump Current (FLA)	208/60/3-phase 134A 480/60/3-phase 58A 230/60/3-phase 121A 575/60/3-phase 50A 400/50/3-phase 71A
Fuse Size	Determined by local authority
Pressure Control	Proportional with Hi/Lo Switch
Control System	Siemens S7-1200
Interface Connection	MODBUS TCP/IP via Ethernet
Display	via web - HMI (Multi-Language)

PNEUMATIC, HYDRAULICS & COOLING CIRCUIT	
Hydraulic Reservoir (Capacity)	45 Gallon 170 Liter
Pneumatic Supply Pressure	87 PSI 5,9 bar
Pneumatic Supply Volume	7.4 gal/min 28,3 l/min
Ambient Temp. Oil/Water Heat Exchanger	41°-113°F 5°-45°C
Cooling Mode	Oil/Water
Cooling Water Pressure	35-100 PSI 2,4 - 2,9 bar
Cooling Water Consumption @ 75°F / 24°C Water Temp	3 gal/min 11,4 l/min

Other	
Label According to EC-Machinery Directive	CE mark & CE Declaration of Conformity
Max. Noise Level	<80 dB

Pump Management System

- » New command & control features, data storage, alarms
- » Interfaces with OEM controller-ethernet/WIFI
- » Monitoring via computer or with **KMT LIVE** App for tablets and smart phones
- » Real time monitoring

Remote HMI



New! KMT LIVE App Control Features

- » Simple user interface screen.
- » Change pump settings, monitor maintenance hours, and more
- » Proactive monitoring for maximum uptime



KMT Genuine Parts & Service

WATERJET
SHAPE TECHNOLOGIES GROUP

Your business is worth it.



Backed by KMT Preventive Maintenance Programs

Order KMT Genuine Parts Online

kmtgenuineparts.com

kmtgenuineparts@kmtwaterjet.com



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KMT. Powering the World in Waterjet Technology for Over 50 Years