



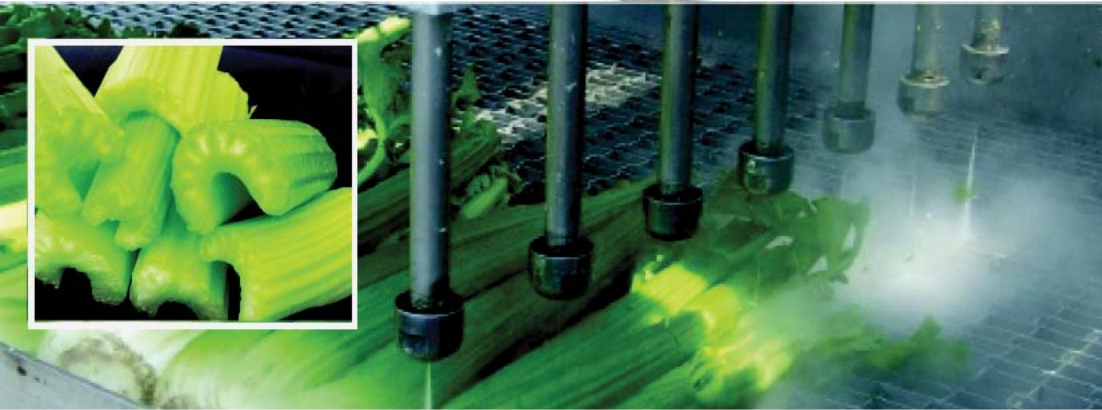
**KMT**  
**KMT Waterjet**



**FOOD  
CUTTING**



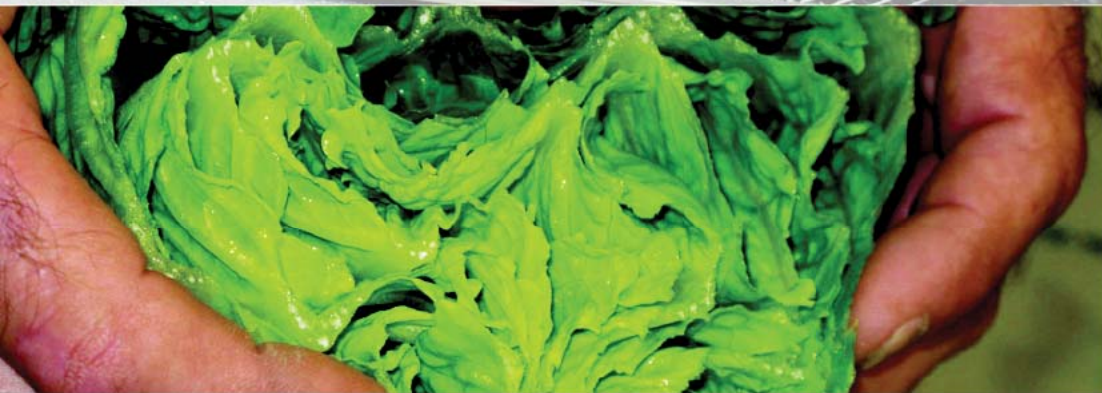
## INTRICATE DESIGNS



## PERFECT PORTION CONTROL



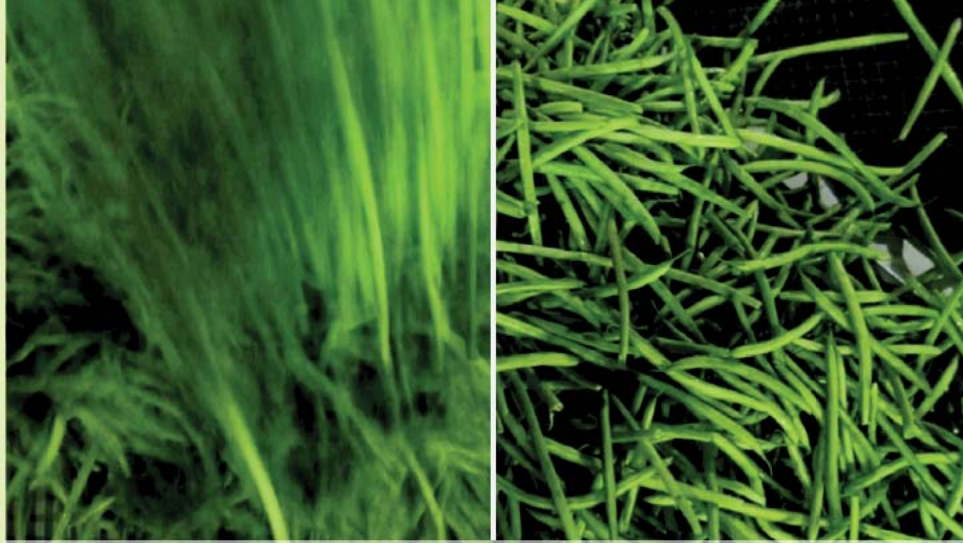
## CLEAN WATER CUTTING



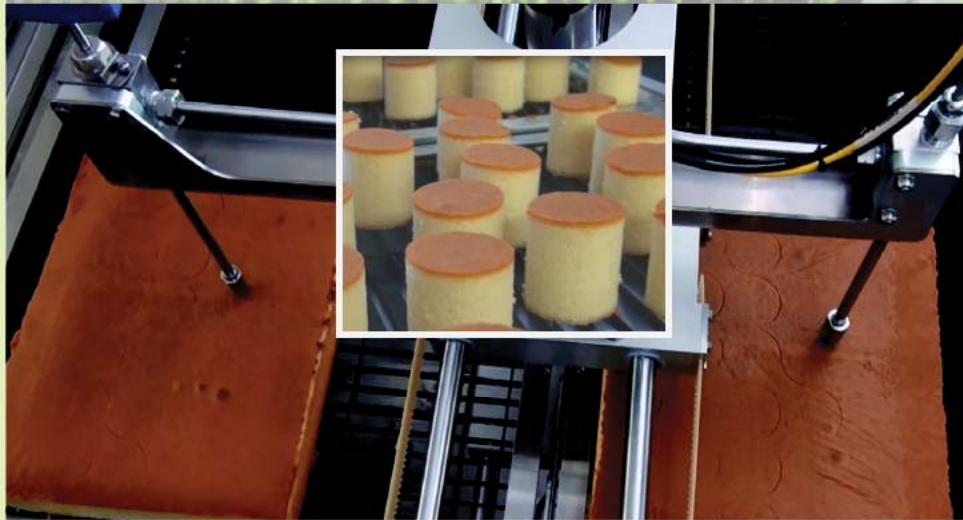
## LONGER SHELF LIFE

## WATERJET CUTS

- BROCCOLI
- ROMAINE
- CAKE
- GREEN BEANS
- FROZEN PIE
- GRANOLA BARS
- SUSHI ROLLS
- FISH
- FRUIT BARS
- LETTUCE
- BRUSSEL SPROUTS
- PASTRIES
- CARROTS
- ONION RINGS
- CANDY BARS
- FROZEN COOKIE DOUGH
- BREAD
- & MUCH MORE



## HIGH SPEED PRODUCTION



## DUAL HEAD CUTTING



## ROBOTIC SYSTEMS

## WATERJET BENEFITS

- MINIMIZES CROSS CONTAMINATION
- ENVIRONMENTALLY FRIENDLY
- NO HEAT OR CHEMICALS
- USDA APPROVED PROCESS
- MULTIPLE CUTTING HEADS
- NO BLADE SHARPENING
- CUT INTRICATE DESIGNS
- REDUCED PRODUCT WASTE
- FAST, EFFICIENT ROBOTIC CUTTING
- CROSSCUT CAPABILITY
- HIGH PRODUCTION CAPACITY
- NO METAL DETECTION REQUIRED
- BETTER QUALITY PRODUCT
- PERFECT PORTION CONTROL
- HYGIENIC, BACTERIA FREE PROCESS

# STREAMLINE® SL-VI 60,000PSI PUMPS



## THE RIGHT SOLUTION FOR EVERY APPLICATION

The KMT SL-VI Series utilizes the latest technology and a configurable design for ease of use, reliability and convenience. The result is a system that delivers the highest efficiency & profit.

Available in 30hp, 40hp, 50hp & 100hp, and an Optional Redundant Intensifier, the KMT SL-VI has the Horsepower, Pressure and Options to Fulfill Most Every Application.



**SL-VI s-Series  
BASIC MODEL**

No Doors  
No Cover  
No Electric Panel

**SL-VI e-Series  
ECONOMICAL MODEL**

No Cover

**SL-VI i-Series  
BASIC MODEL**

Fully Loaded



**SL-VI 15hp**  
(Available only as shown)

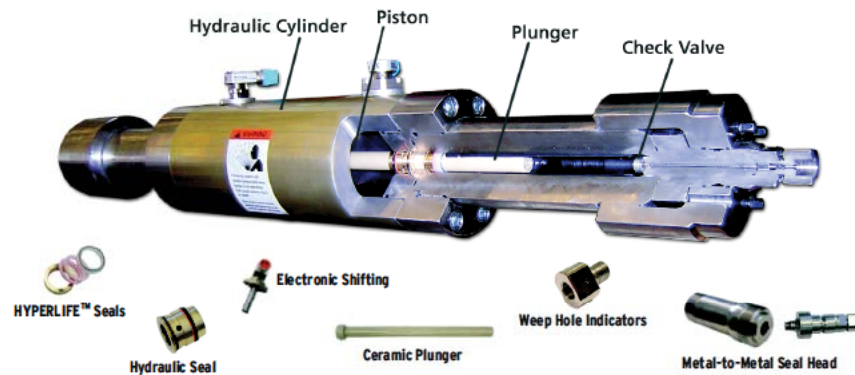
DESCRIPTION	UNIT	15	30	40	50	100
Motor Rating	kw/HP	15/ 11	22 / 30	29 / 40	37 / 50	75 / 50
Pressure Range	PSI	60,000	60,000	60,000	60,000	60,000
Max. Flow Rate at Max. Pressure (60 Hz)	gal/min	0.30	0.69	0.84	1.00	1.88
Length	in	56	67.7	67.7	67.7	83.7
Width	in	28	45.6	45.6	45.6	53.7
Height	in	33	59.3	59.3	59.3	59.3
<b>CUTTING WATER CIRCUIT</b>						
Intensification Ratio		20.21	20.21	20.21	20.21	22.9
Max. Stroke Rate	SPM	19	38	49	59	75
Attenuator Volume	Liter	.41	1	1	1	2
Cutting Water Inlet Pressure	PSI	35-100	35-100	35-100	35-100	35-100
Min. Cutting Water Inlet Flow	gal/min	1.4	2.8	3.5	4	7
Low Pressure Filter	µm abs.	10	10	10	10	10
<b>CONTROLS &amp; ELECTRIC</b>						
Nom. Current at 480V/60Hz	A	20	40	52	65	124

## SL-VI INTENSIFIER

The source of pressure.

No other system incorporates the features of the SL-VI to deliver the simplest, easiest to operate, most reliable system.

- **Slower Stroke, 8" Ceramic Plunger**  
Reduces Maintenance
- **Patented HYPERLIFE™ "One-Step" Seals** Last 2X Longer
- **Cartridge Style Hydraulic Seals** for Quick Seal Changes
- **Smoother, More Reliable Electronic Shifting** Deters Leaking
- **Exclusive, Metal-to-Metal Seal Head** for Less Maintenance
- **Intensifier Threaded Hard Seal End Cap** Allows Working on One Side at a Time
- **Weep Hole Indicators** for Easy Seal Troubleshooting



More Information  
and Videos

# AQUALINE® CUTTING NOZZLES

60,000PSI & 90,000PSI 



Normally Open & Normally Closed Options

## PROVEN PERFORMANCE AT EXTREME PRESSURES

Pure water cutting applications are among the most demanding of subcontracting jobs in the industry.

Demands put on waterjet components and some industry production units usually run 3 x 8-hour shifts throughout the complete week highlighting a need for extremely high reliability and speed.

Our AQUALINE® pure water pneumatic valve has gained an industry-wide reputation for being among the quickest and the most reliable pure water cutting heads under extreme working conditions.

KMT AQUALINE® heads have the fastest reaction times while maintaining long component lifetimes with high quality.

# FOODGRADE™ DIAMOND ORIFICE

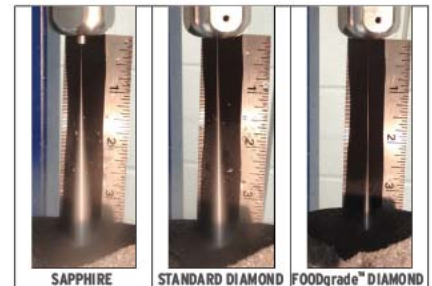


## FOODgrade™ Diamond Cutting Nozzle Outperforms Used and New Knives.\*

Pure water cutting for food requires a tighter, smaller diameter stream to minimize cellular damage to produce and creates a cleaner cut for baked goods.

The KMT FOODgrade™ diamond orifice achieves the tightest stream when compared to other orifice jewels.

Orifice Diameter Sizes: .005 to .011  
\*See Freshness Test below



Water Only Orifice Comparison

# ROMAINE LETTUCE FRESHNESS TEST

## Knife Vs. Waterjet Cutting

August 2013\*

### SUMMARY:

Romaine lettuce was cut with knives on a Translicer & by waterjet FOODgrade™ diamond nozzles on a KMT Waterjet system.

At 12 days, the waterjet FOODgrade™ diamond nozzle cutting was clearly superior to knife blade cutting treatments.

\*Contact KMT Waterjet for the 2013 Study comparing waterjet cutting to blade cutting.

DAY 8

DAY 18

BLADE



WATERJET



Each Extended Shelf Life Day Increases Profits



According to Food Production Daily Magazine, "waterjet technology is one of the fastest growing major machine tool processes in the world due to its versatility and ease of operation."

Pure Water Cutting with KMT Waterjet products offers the greatest added value of uninterrupted production by cutting food in a sanitary environment while creating a bacteria free, hygienic cutting process method.

KMT Waterjet Systems is the best simplified solution for food manufacturers requiring maximum performance, higher yield, sanitary cutting methods, and exceptional value!

# **KMT** Genuine Parts & Service

Your business is worth it.



**THE KMT PREVENTIVE MAINTENANCE (PM)**  
Program provides a 65 Point Comprehensive Inspection for your KMT pumps, parts and components.



## **PARTS & SERVICE CONTACTS**

**800-826-9274 • 24 Hours a Day/7 Days a Week**  
Normal business hours are 7:00AM CDT to 5:00PM CDT

kmtgenuineparts@kmtwaterjet.com  
kmtgenuineservice@kmtwaterjet.com

**Order Parts Online: [kmtgenuineparts.com](http://kmtgenuineparts.com)**

**KMT Genuine Parts & Service is Closer Than You Think**



More Information  
on KMT Genuine  
Service PM Program



## **KMT ORIGINAL EQUIPMENT MANUFACTURERS (OEM'S) DESIGN, ENGINEER, AND MANUFACTURE THE RIGHT WATERJET SYSTEM FOR YOUR CUTTING APPLICATION.**

KMT Waterjet System Integrators are experienced in waterjet cutting to ensure that you and your employees are well trained, and have all the tools and support you need for a successful and profitable waterjet cutting business.



### **KMT GLOBAL WATERJET OEM OPTIONS:**

- Standard and Customized Tables
- Multiple Cutting Heads
- X-Y, X-Y-Z, 4, 5 & 6 Axis Cutting
- Robotic Integration



More Information  
on KMT Global  
OEM's



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