



2019 PAVEMENT PRODUCTS



PROVEN QUALITY. LEADING TECHNOLOGY.

2019 PAVEMENT PRODUCTS



NEW PRODUCT LAUNCH

LINELAZER® ES FAMILY UPGRADE

LineLazer® V ES 2000

LineDriver® ES

LINELAZER® DC FAMILY UPGRADE

LineLazer® V 200DC

LINELAZER® MMA

LineLazer® V 200MMA 1:1

GRINDLAZER™ DCS

Depth Control System



LINELAZER® ES

FAMILY UPGRADE



LineDriver® ES

LineLazer® V ES 2000



PROVEN QUALITY. LEADING TECHNOLOGY.

ES FAMILY EXPANSION



BACKGROUND

The LineLazer® ES 1000 launched in 2017 as the industry's first battery-powered electric striper and has sold successfully for indoor applications

- Fume Free
- Low Noise
- Low Vibration



OPPORTUNITY

While the launch of the LineLazer® ES 1000 has been successful, striping contractors are asking for more. . .

- More performance for larger jobs
- 2-gun tip support for dual line applications
- LineLazer® V style controls – parking lot layout capabilities, skip lines, . . .
- An electric LineDriver® accessory to get jobs done faster!!



ES FAMILY EXPANSION



STRATEGY

EXPAND THE ES STRIPER FAMILY WITH A HIGHER PERFORMANCE MODEL

- Serve the outdoor striping market with demanded 2-gun capability
- Deliver contractor valued LineLazer® V HP Automatic features
- Increased performance to complete larger indoor and outdoor striping projects faster



INTRODUCE A MARKET DEMANDED ELECTRIC-POWERED LINEDRIVER®

- Provide the ability for the entire striping system to operate. . .
 - Noise free
 - Fume free
 - Vibration free



LINELAZER® V ES 2000

STANDARD



NEW HIGHER OUTPUT

- Get your job done faster!
- Supports 2-gun operation

NEW LIVELOOK™ DISPLAY

- Track, measure and control every aspect of your job!

HIGH-CAPACITY DUAL BATTERIES

- 2X Sealed Lead-Acid 100 Ahr AGM Batteries

ON-BOARD 12 VOLT CHARGER

- Simply plug in to recharge, no need for battery removal

230 VOLT CAPABILITY

- Get infinite spray time when using for stationary applications by running on 230V wall power. Just plug it in!

EXCLUSIVE LINELAZER® CART

- Industry's best chassis allows for straighter lines.
- Accepts LineDriver®, 55-gallon hopper, EZ Bead™ system, pointer, laser, 2nd gun kit and new LED light.

EASYMARK™ GUN ADJUSTMENT SYSTEM

- "G" clamp system allows for quick movement of gun and guide marks allow for perfect gun alignment every time.
- 2-gun capable with QuikSelect™ Gun Selector

EZ ALIGN™ WHEEL SYSTEM

- Simple front wheel alignment ensures perfect tracking.

DUALCOMFORT™ HANDLE BAR SYSTEM

- Fits all users and each to adjust. Allows for optimal ergonomics for all-day striping comfort.

T .033 TIP
4.16 LPM
227 BAR



SMARTCONTROL™ 3.0

- Advanced pressure control system delivers consistent spray fan resulting in unmatched line quality.

MAXPOWER™ DC MOTOR

- Field-proven, no-maintenance brushless design.

ENDURANCE® PISTON PUMP

- Industry-best pump performance in this field-proven design.

ADVANTAGE DRIVE™

- With hardened steel gears, this is the longest lasting drive in the industry.

NO ENGINE FUMES
NO ENGINE VIBRATION
NO ENGINE NOISE

INCLUDES:

- Flex Plus Striping Gun
- LineLazer RAC® 5 SwitchTip™ & Guard
- ¼ in x 15m BlueMax™ II Airless Hose



PROVEN QUALITY. LEADING TECHNOLOGY.

HIGHER OUTPUT



2 GUN CAPABLE!

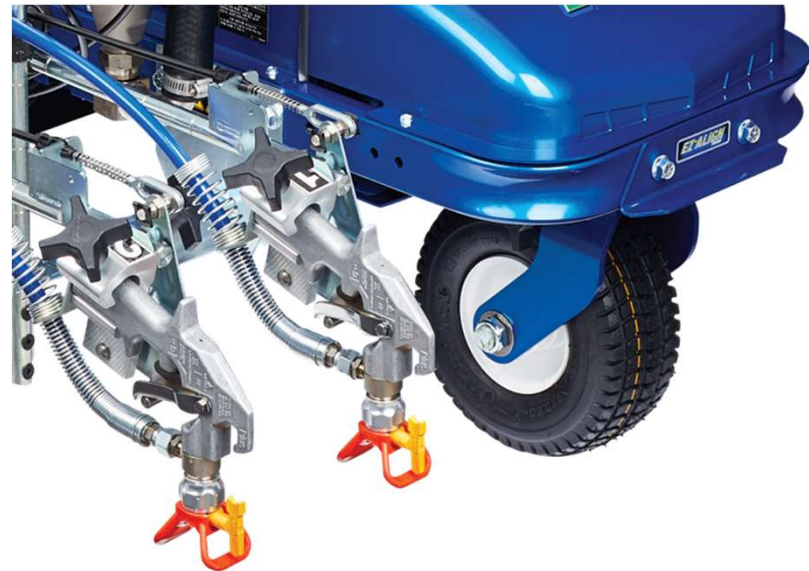
Improved Accuracy and Speed

BENEFIT

- .025 tip support with two guns!!
- 2 gun capacity – allowing double lines to be done in one pass.
- Ability to move faster.

WHY BUY?

- Improve line quality & accuracy when done in a single pass.
- Get the job done faster!



DUAL DEEP-CYCLE BATTERIES



100 AH AGM BATTERIES

BENEFIT

- Two (2) batteries for extended run time – up to 200 liters
- Maintenance Free
- Holds up well to vibrations
- Fast recharge time
- Can be “deep cycled” without drastically reducing the battery life

WHY BUY?

- Allows for all the benefits of an electric striper
 - Quiet operation
 - Fume free
 - Low vibration
- Allows all-day striping of larger jobs without stopping or swapping out batteries.

SHIPS WITH 2 INSTALLED



ON-BOARD CHARGER



230 VOLT SMART CHARGER

BENEFIT

- No need to haul around a charger, it's built in!
- Smart charger will choose the optimal charging profile to ensure the longest possible battery life
 1. Fast charge
 2. Load charge
 3. Trickle charge
- Allows for extended run time when you plug it in – charge the battery and stripe/spray at the same time.
- Just plug it in!

WHY BUY?

- Simple charging – just plug it in!
- Use as a mobile sprayer - dual purpose!
- Extended battery life with Smart Charging.



LINELAZER® V ES 2000

HP AUTOMATIC



Includes all of the LineLazer® V Standard Features PLUS. . .

T .033 TIP
4.16 LPM
227 BAR

AUTOMATIC PAINT GUN SYSTEM

- Responsive, solenoid-driven system
- Simplify your layout work with high accuracy using the Flex Plus gun as your “marker gun”
- Achieve predetermined solid lines with Semi-Automatic mode
- Put down skip lines with ease

J-LOG™ SYSTEM WITH USB DOWNLOAD

- Track every aspect of your job
- Download via USB to provide “proof of job”
- Capture and save all your data – tracking your crew’s performance



NO ENGINE FUMES
NO ENGINE VIBRATION
NO ENGINE NOISE

INCLUDES –

- Flex Plus Striping Gun
- LineLazer RAC® 5 SwitchTip™ & Guard
- ¼ in x 15m BlueMax™ II Airless Hose



PROVEN QUALITY. LEADING TECHNOLOGY.

J-LOG™ USB DOWNLOAD



TRACK EVERY ASPECT OF YOUR JOB!

PROOF-OF-JOB

- Show your customer that you met their mil thickness spec.

TRACK PAINT USAGE

- Use for billing and paint reorder purposes.

MANAGE YOUR CREWS

- Verify that your employees are working and doing the job done right with separate Time-Log file.



JOB-LOG

JOB 14	
11/2/17	2:22
JOB TOTALS	
TOTAL DIST	489.3 ft
TOTAL VOL	3.7 gallons
AVE THK	18 MIL
YELLOW	
4" line	136 ft
6" line	81.9 ft
12" line	88.3 ft
TOTAL DIST	306.1 ft
LINES VOL	1.7 gallons
WHITE	
4" line	93.7 ft
7" line	89.5 ft
TOTAL DIST	183.2 ft
LINES VOL	1 gallons
BLUE	
STENCIL VOL	0.9 gallons

TIME-LOG

Note: English & Metric units available

FILE WRITTEN:		11/17/17		3:08																					
JOB	DATE	TIME	LINE WIDTH	DISTANCE YELLOW	DISTANCE WHITE	DISTANCE BLUE	DISTANCE BLACK	DISTANCE RED	DISTANCE GREEN	LINE GALLONS YELLOW	LINE GALLONS WHITE	LINE GALLONS BLUE	LINE GALLONS BLACK	LINE GALLONS RED	LINE GALLONS GREEN	STENCIL GALLONS YELLOW	STENCIL GALLONS WHITE	STENCIL GALLONS BLUE	STENCIL GALLONS BLACK	STENCIL GALLONS RED	STENCIL GALLONS GREEN	AVE THK			
26	11/17/17	3:08	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	11/17/17	2:08	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	11/17/17	1:08	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	11/17/17	0:08	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	11/15/17	21:06	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	11/15/17	20:06	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	11/15/17	19:06	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	11/15/17	18:06	4"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

AUTOMATIC GUNS



SAVE TIME ON LAYOUT!

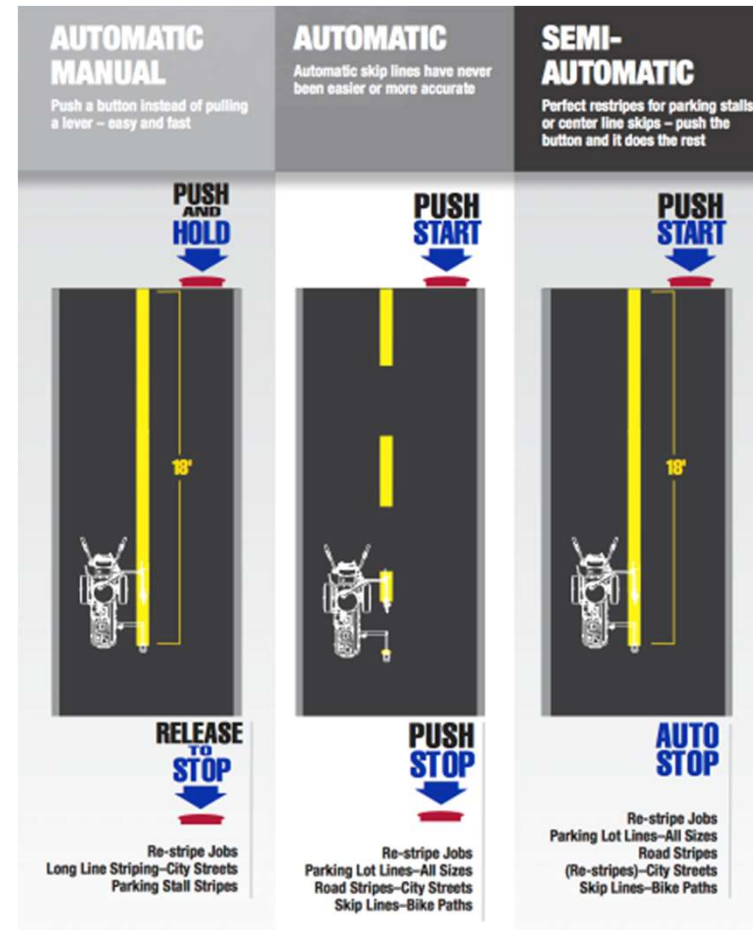
APPLICATIONS –

STREETS/ROADS

- Skip lines. . . Just push the button once and drive!
 - No more chalk!

PARKING LOTS

- Layout – Marker mode
 - No more tape measure!
- Stalls – set for 6m stall length or 12m double stall & 8m driveway
- Add LazerGuide™ 2000 Laser-Guided Layout System for laser straight lines!!
 - No more string lines!



ACCESSORIES



LINELAZER® ES

Description	PART #
55 Liter Hopper (ES 1000)	17P444
55 Liter Hopper (ES 2000)	27N710
EZ Bead Gravity Bead Systems	
- 15cm dispenser	277065
- 30cm dispenser	24N265
ES Hitch (for LineDriver)	24Z805
ES LazerGuide™ 1700 Kit	17P782
ES LazerGuide™ 2000 Kit	17T543
Line Pointer, 1M	25A620
LED Light Kit	17R472



LINEDRIVER® ES

FAMILY UPGRADE



LineDriver® ES



PROVEN QUALITY. LEADING TECHNOLOGY.

LINEDRIVER® ES



NEW HIGH-CAPACITY BATTERIES

- 4x 6 volt Sealed Lead-Acid **225 Ahr AGM Batteries** for all-day use!
- Proven, premium batteries used in golf carts around the world.

NEW SMARTDRIVE™ TECHNOLOGY

- SmartDrive™ Control gives you the same “feel” as the LineDriver® HD while reducing the load on the batteries – extending your run-time.
- Direct-drive transaxle design with regenerative braking puts power back into the batteries when decelerating – extending your run-time.

NEW EXACTMIL™ SPEED CONTROL

- Speed control feature allows user to set speed to achieve a pre-determined mil thickness
 - guaranteeing a perfect line every time!

NEW ADVANCED ECO-MODE

- 50% more battery life – up to 12 hours of run time!!
- Precise control for detail work.

NEW ON-BOARD 230 VOLT CHARGER

- Simply plug in to recharge, no need for battery removal.
- Battery-Tender feature maintains batteries over an extended period of time resulting in long life.

NEW ADVANCED BATTERY MONITOR SYSTEM

- Monitors the battery level & displays level for easy recall.
- Alerts user when battery is low and requires recharge – allowing you time to get to your trailer or to an outlet to charge.

16 KPH 
9-12 HOUR RUN TIME



NO ENGINE FUMES
NO ENGINE VIBRATION
NO ENGINE NOISE

NEW DEDICATED 12 VOLT POWER SUPPLY

- Dual 12 volt “cigarette lighter” power supplies for all your accessories.
- Dual 12 volt LED light inputs – left & right.

NEW BACK-RACK

- Convenient storage shelf for hauling all that extra stuff along on the job.

NEW COOL-COMFORT™ SEAT

- Gray color stays cool in the direct sunlight.
- New high-back seat design for added support.
- Now with extra padding for all-day comfort.

NEW FLEXBEAM™ LIGHT SYSTEM

- Durable, retractable light has breakaway feature to help prevent damage.
- LED light for improved brightness and long life with less amp draw.

NEW HEIGHT ADJUSTABLE DUAL PEDAL DESIGN

- Patented system allows maximum flexibility for operator to drive unit forward or reverse.
- New height adjustment feature fits all users – allowing for optimal ergonomics for all-day striping comfort.

SMARTDRIVE™ TECHNOLOGY



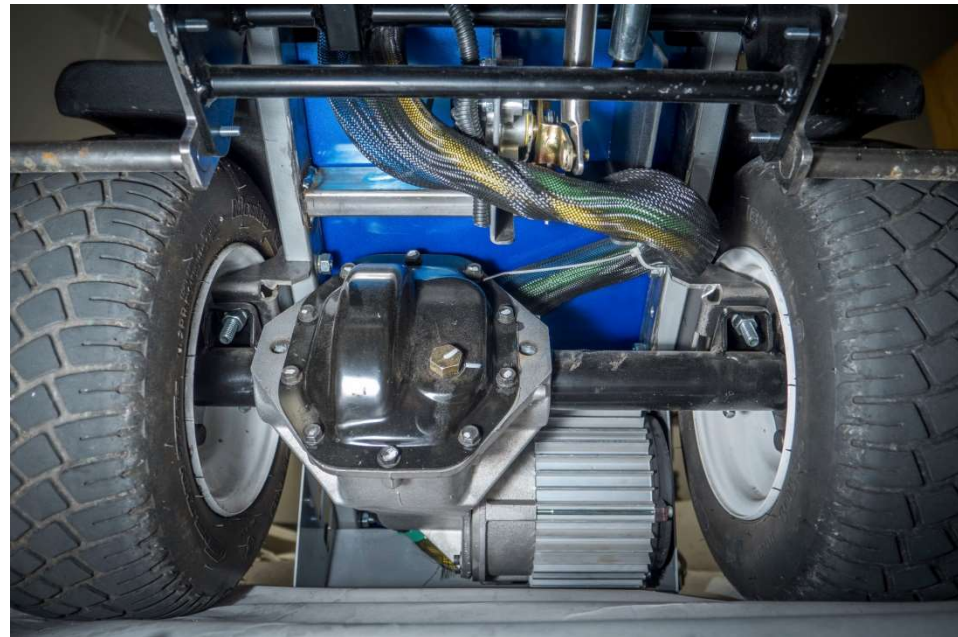
LINEDRIVER® PERFORMANCE

BENEFIT

- SmartDrive™ Control gives you the same performance and feel as the LineDriver® HD while reducing the load on the batteries.
- Direct-drive transaxle design with **regenerative braking** puts power back into the batteries when decelerating.

WHY BUY?

- Longer run time – 9 to 12 full hours of striping!
- LineDriver® HD users will use the new LineDriver® ES with ease.



EXACTMIL™ SPEED CONTROL



ACHIEVE EXACT MIL THICKNESS!

BENEFIT

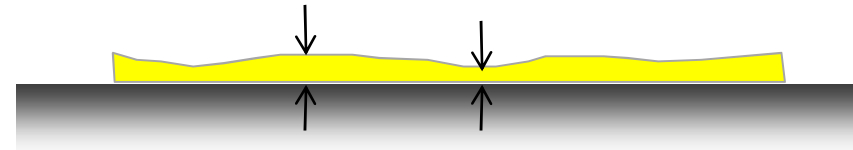
- Couple with the LiveLook™ display on the LineLazer® V ES 2000 to set striping speed to match your desired mil thickness.
- Use J-Log™ and USB download to provide “proof of job” to your customers.
- Use the exact amount of paint required for the job.

WHY BUY?

- Achieve guaranteed mil thickness for perfect lines every time!
- Waste less paint, save \$\$

THE OLD WAY

Speed changes constantly



TOO THICK

- Wasted Paint
- Wasted Time
- Wasted Money
- Chipping/Flaking

TOO THIN

- Won't Pass Inspect
- Won't Last
- Poor Bead Adhesion

THE BETTER WAY

LINEDRIVER® ES
WITH EXACTMIL™

Speed = CONSTANT



EXACTLY MEETS SPEC

- No Wasted Paint
- No Wasted Time
- No Wasted Money
- No Chipping/No Flaking
- Will Pass Inspect
- Will Last
- Beads will Adhere



HIGH-CAPACITY BATTERIES



DEEP-CYCLE AGM BATTERIES

BENEFIT

- Four (4) 6 volt, **225 Ahr AGM** batteries for extended run time – 9 to 12 full hours!
- Maintenance Free
- Holds up well to vibrations
- 12 hour recharge time when fully discharged
- Can be “deep cycled” without drastically reducing the battery life

WHY BUY?

- Allows for all the benefits of an electric driver
 - Quiet operation
 - Fume free
 - Low vibration
- Allows all-day striping of larger jobs without stopping or swapping out batteries.



PROVEN QUALITY. LEADING TECHNOLOGY.

BATTERY MONITOR SYSTEM



ADVANCED BATTERY MONITOR SYSTEM

BENEFIT

- Monitors the battery level and displays level for easy recall.
- Alerts user when battery is low and requires recharge – allowing you time to get to your trailer or to an outlet to recharge.

WHY BUY?

- Allows for max battery usage while reserving power so that you don't get stranded.



ADVANCED ECO MODE



EXTEND YOUR BATTERY LIFE!

12 FULL HOURS
OF STRIPING!!

BENEFIT

- 33% more battery life
 - Up to 12 full hours!!
- Precise Control at Low Speeds.
Ideal for. . .
 - Inexperienced Operators
 - Loading/Unloading
 - Detail work such as
 - Sport Courts/Playgrounds
 - Indoor work
 - Striping near cars

WHY BUY?

- Run for extended periods of time
- Less recharges required
- Precise control when needed



PROVEN QUALITY. LEADING TECHNOLOGY.

ON-BOARD CHARGER



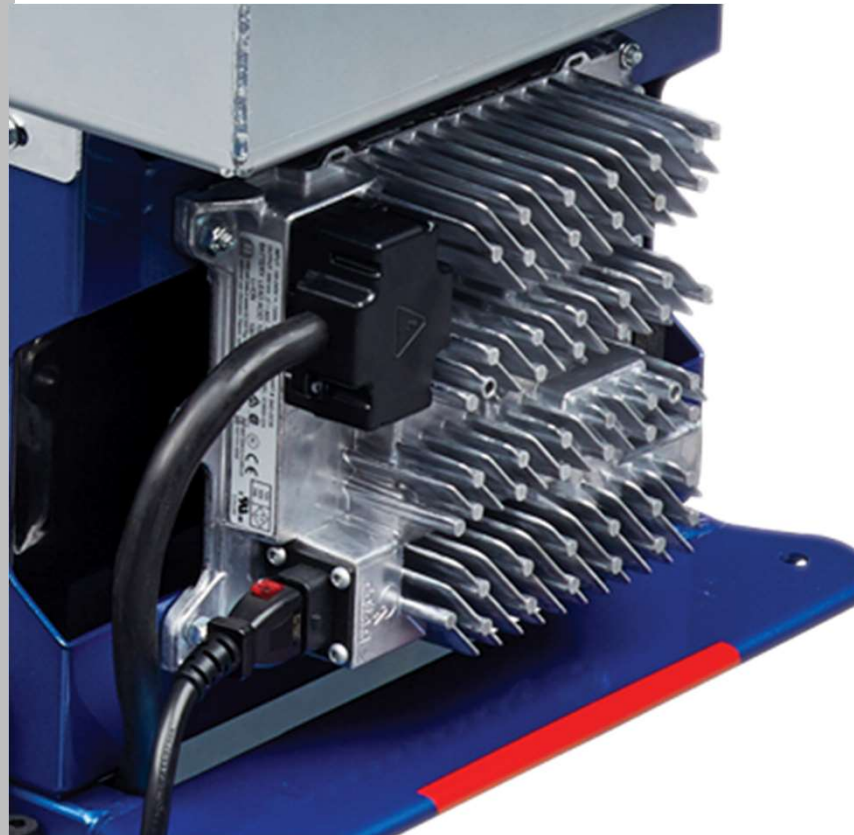
230 VOLT SMART CHARGER

BENEFIT

- No need to haul around a charger, it's built in!
- Smart charger will choose the optimal charging profile to ensure the longest possible battery life
 1. Fast charge
 2. Load charge
 3. Trickle charge

WHY BUY?

- Simple charging – just plug it in!
- Extended battery life with Smart Charging.



ADDED FEATURES



BACK-RACK AND DUAL PEDALS

BACK-RACK

- Convenient storage shelf for hauling all that extra stuff along on the job.

WHY BUY?

- Increase your job efficiency by having supplies readily available.

HEIGHT ADJUSTABLE

DUAL PEDALS

- Adjustable to fit all users!
 - 4 positions
 - 4 cm of travel

WHY BUY?

- Allows for optimal ergonomics for all-day striping comfort.



POWER SUPPLY



DEDICATED 12 VOLT POWER SUPPLY

BENEFIT

- Dual 12 volt, 120 watt 'cigarette lighter' power outputs for accessories.
- Dual 12 volt LED light outputs
 - Left & Right locations

WHY BUY?

- Safe and simple 12 volt power input from the 6 volts batteries and 24 volt system.
- Ensures level load draw from all 4 batteries.



TARGET APPLICATIONS



LINELAZER® V ES 2000 & LINEDRIVER® ES

INDOOR APPLICATIONS

- Warehouses
- Factories
- Parking Garages
- Indoor Sports Facilities



TARGET CUSTOMERS

- Striping Contractors
- MRO Departments

KEY BENEFITS

- Fume Free & Low Noise – Electric, Battery Powered
- Get the Job done Fast . . . **NEW** Higher Output & **NEW** Electric LineDriver®
- Fast Layout and ability to do Complex Lines. . . **NEW** HP Automatic Feature
- More Accurate Lines – **NEW** ExactMil™ Cruise Control & Low Vibration

OUTDOOR APPLICATIONS

- Parking Lots
- Paths
- Intersections
- Airports



TARGET CUSTOMERS

- Striping Contractors



THE ULTIMATE SOLUTION!



LINELAZER® V ES 2000 & LINEDRIVER® ES

LINELAZER® ES 2000 HP AUTOMATIC

- Use Layout Mode to pre-mark parking lot
- Use Automatic Skip Mode to stripe stalls
- Use LiveLook™ to set verify speed and active mil thickness

LINEDRIVER® ES

- Use ExactMil™ Speed Control to hold exact speed need to achieve proper mil thickness

LAZERGUIDE™ 2000 LASER-GUIDE LAYOUT SYSTEM

- Use the LazerGuide™ 2000 to ensure laser lines

LAZERGUIDE™ 1700 START/STOP LASER

- Use the LazerGuide™ 1700 to achieve perfect starts and stops

NO ENGINE NOISE!
NO ENGINE VIBRATION!
NO ENGINE FUMES!



NO TAPE MEASURE!
NO STRING LINE!
NO CHALK!

REDUCED LABOR!
INCREASED PRODUCTIVITY!
IMPROVED ACCURACY!

