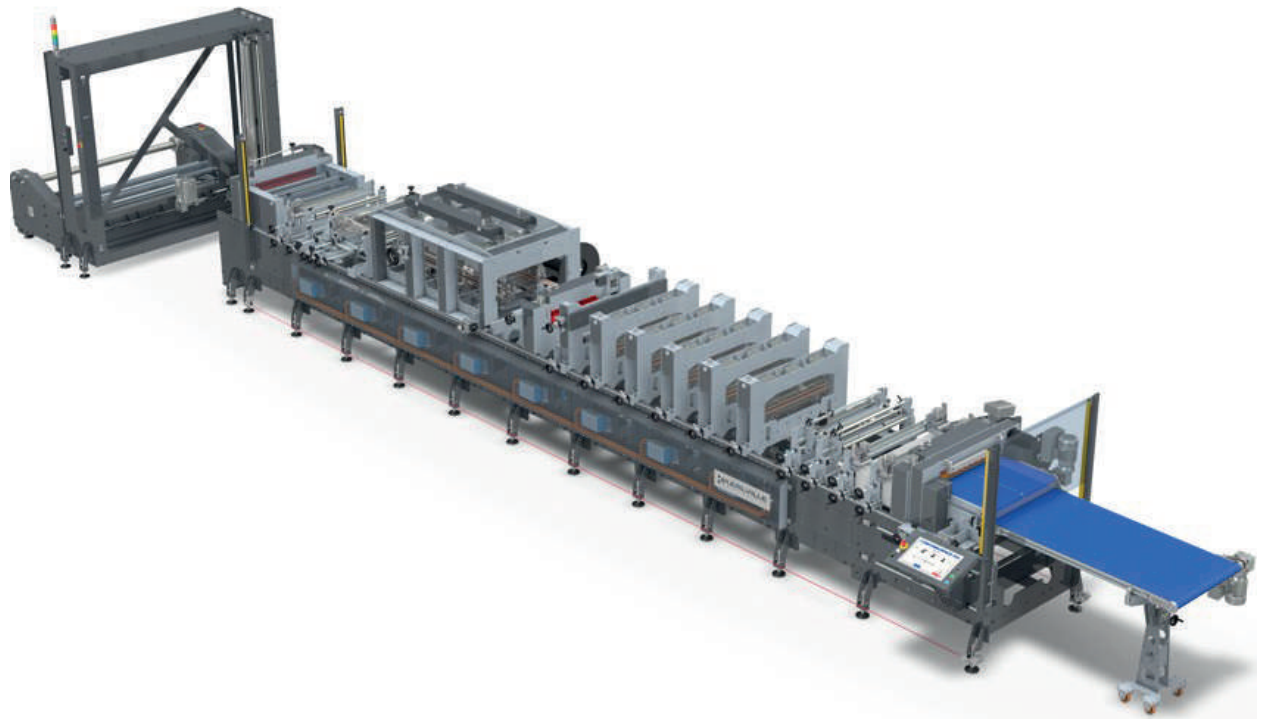


 **KARLVILLE**

KS-SUP-600



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www.karlville.com

KS-SUP-600

Designed for conventional print, this is a compact, quick changeover pouch machine ideal for short, -medium & long run high-performance production for standard laminations and mono materials.

Main Features

- ▶ Compact machine
- ▶ Multiple web
- ▶ Ideal for short-medium and long runs
- ▶ Easy to use machine
- ▶ Modular design
- ▶ Custom solutions
- ▶ Unique guided set-up procedure from recipe
- ▶ Very low scrap rate during machine start-up
- ▶ Fully servo driven machine (min. 7)
- ▶ Increased production speed, reduced mechanical stress and noise.
- ▶ Low maintenance requirements
- ▶ Initial reject discard function
- ▶ Easy cleaning high-frame
- ▶ Quick changeover machine
- ▶ Fully connected with integrated diagnostics
- ▶ Mono-materials ready
- ▶ Compostable materials ready
- ▶ Digital printing certified
- ▶ Embedded dynamic braking device
- ▶ Static energy storage device

7 SERVO SYSTEM

- ▶ 3 servos for film feeding system
- ▶ 2 servos for cross sealing and cooling
- ▶ 1 servo for longitudinal sealing and cooling
- ▶ 1 servo for cross cutting



Innovative compact design, independent servo driven machine for maximum flexibility, performance, ability to convert recyclable materials with quick set-up and changeover and very low material waste. Modular machine that allows for easy upgrades. Designed for Industry 4.0. Digital printing ready.



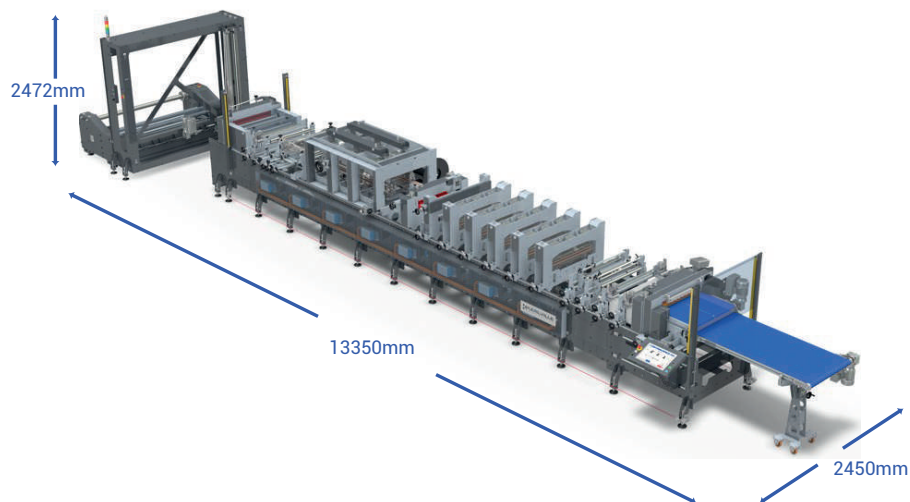
Intuitive windows-based software, the machine breaks paradigms for set-up, operational efficiency, maintenance and diagnostics. Machines have embedded dynamic braking energy storage device and static energy storage device to create more sustainability, lowering operation costs and protecting against power failures.



Reduced footprint to allow easy material tension control, less operators, improved efficiency. Special design for quick changeover and set-up combined to high-speed capability. Decreased heat irradiation for high performance production on sustainable materials.



KS-DSUP-600



Machine Specifications

Mechanical speed	250cpm
Main unwinder width	Max. 1450mm - 57.08"
Main reel core	76mm – 3" (Opt. 152mm - 6")
Main reel diam.	800mm – 31.49"
Material specs	PET, ALU, PA, laminated material with PP or PE, MONO materials, compostable and PCR
Material thickness	55-200μ
Installation area (WxLxH)	2.85m x 16.5m x 2.48m

Standard Basic Machine Configuration*

Side unwinder	Yes
Long sealing bar length	660mm/ 25.98"
Long cooling bar length	660mm/ 25.98"
Ultrasonic zipper crush	Yes
Cross sealing stations	4
Cross cooling stations	1
Punching stations	2
Cross cutting	Flying knife

* Other machine configuration options are available according to customer's needs,

- ▶ Double cut flying knife
- ▶ Double longitudinal stations
- ▶ Degassing valve insertion
- ▶ Sealing & cutting shape pouch module
- ▶ Guillotine
- ▶ In register tack hole punch
- ▶ Punches & Tools

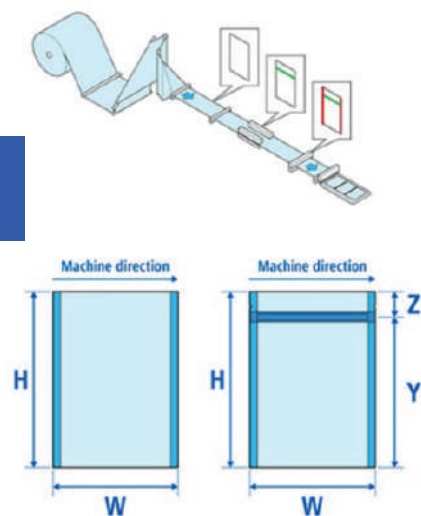


STANDARD POUCH DIMENSIONS	Width (mm/inch)*		Height (mm/inch)*		Gusset depth (mm/inch)*	
	Min	Max	Min	Max	Min	Max
2-side-seal (SS) from 1 web	80/3.14	640/25.19	80/3.14	635/25	-	-
3-side-seal (SS) from 1 web	80/3.14	640/25.19	80/3.14	635/25	-	-
SUP from 1 web (folded)	80/3.14	650/25.59	80/3.14	610/24.01	25/0.98	95/3.74
SUP from 2 webs, bottom gusset inserted	80/3.14	650/25.59	80/3.14	625/24.60	15/0.59	95/3.74
2SS from 1 web with zipper	80/3.14	640/25.19	140/5.51	635/25	-	-
3SS from 1 web with zipper	80/3.14	640/25.19	140/5.51	635/25	-	-
SUP from 1 web (folded) with zipper	80/3.14	650/25.59	140/5.51	610/24.01	25/0.98	95/3.74
Small SUP from 1 web with zipper (folded)	80/3.14	650/25.59	85/3.34	610/24.01	25/0.98	95/3.74
3SS from 1 web with zipper (folded side)	80/3.14	640/25.19	80/3.14	625/24.60	-	-
3SS from 1 web folded with zipper (open side)	80/3.14	640/25.19	80/3.14	625/24.60	-	-
SUP from 2 webs with zipper bottom gusset inserted	80/3.14	650/25.59	120/4.72	625/24.60	15/0.59	95/3.74
Small SUP from 2 webs with zipper	80/3.14	640/25.59	85/3.34	625/24.60	15/0.59	95/3.74

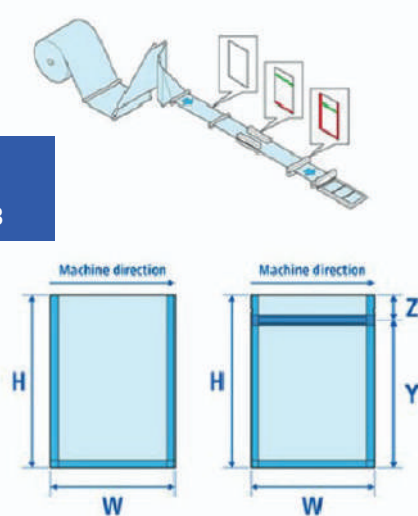


KS-SUP-600

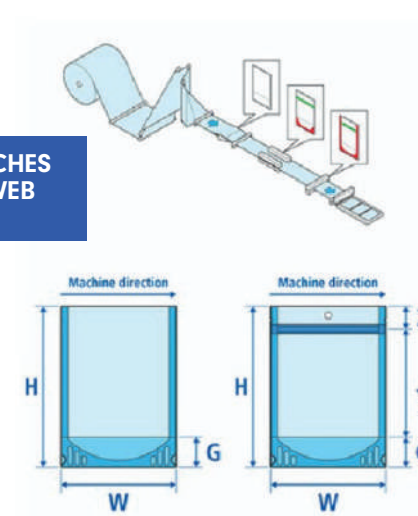
**2-SIDE SEAL
POUCHES
FROM 1 WEB**



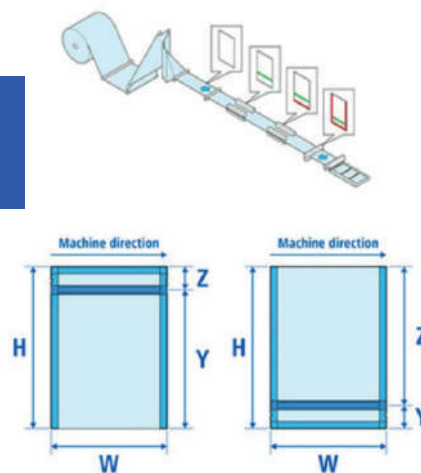
**3-SIDE SEAL
POUCHES
FROM 1 WEB**



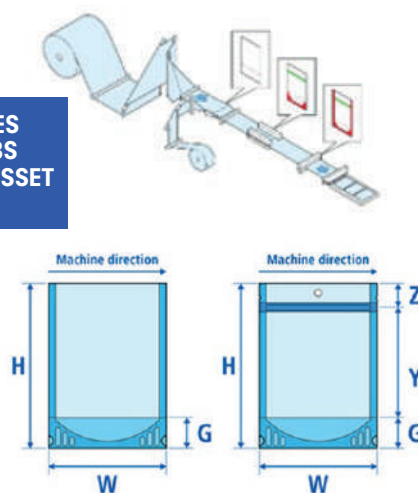
**SUP POUCHES
FROM 1 WEB
(FOLDED)**



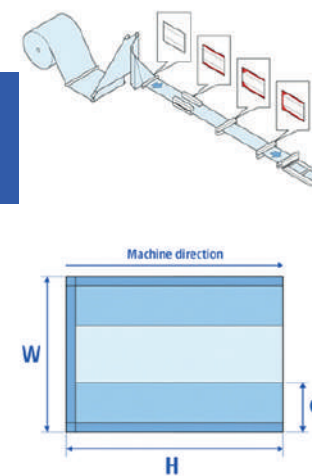
**BOTTOM FILL
3 SS POUCHES
W/ ZIPPER
FROM 1 WEB**



**SUP POUCHES
FROM 2 WEBS
BOTTOM GUSSET
INSERTED**



**SIDE GUSSET
POUCHES
FROM 1 WEB
FOLDED**



Control System + Smart Software

The control system for our pouch lines is windows based making it simple for operators & easier for managing remote maintenance and troubleshooting. The software offers high integration capability with external and/or customer tools. Diagnostics are performed entirely from the machine, without external cables / programs / computers. **We have three technical teams to support the line, based in Switzerland, the USA and Taiwan.**

All Karlville Swiss pouch machines have embedded a dynamic braking energy storage device to create more sustainability in drive technology and lowering operational costs and a static energy storage device that protects against damage from temporary power failures.

Machine can be connected to:



Tablet for remote HMI, machine control, service assistance, production assistance.



Mobile phone for remote HMI, machine control, service assistance, production assistance.



Smart glasses service assistance, production assistance and remote training.



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