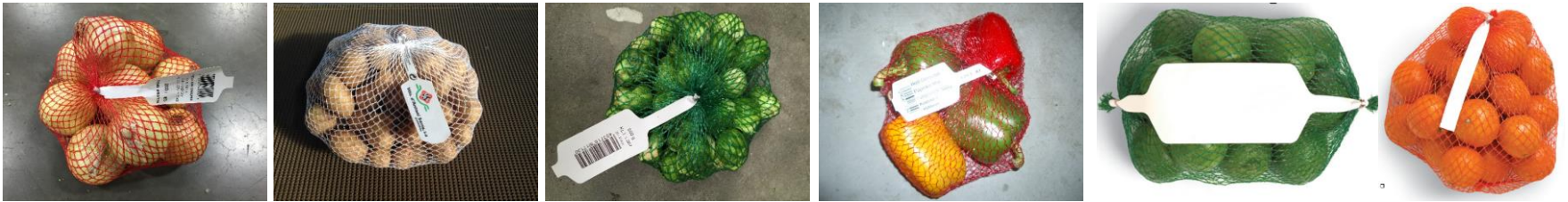




# V 2029

Clipping machine to close and separate machine-usable nets fully automatically





## Net Clipping Machine V 2029

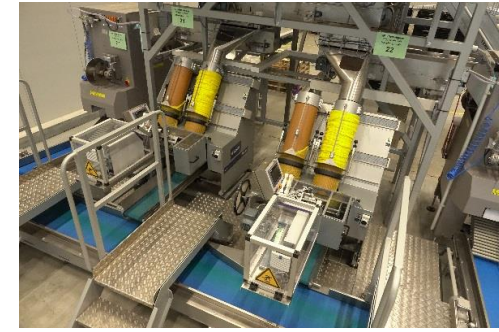
The V 2029 is a net clipping machine with user friendly operation for package weights from 1-10 pounds\* With this machine all kinds of fresh fruits and vegetables such as oranges, lemons, limes, peppers, Brussels sprouts, potatoes, onions, garlic and similar products of the food industry can be packed into vexar, extruded or woven machine useable net material. The net clipping machine works with net material that is drawn off the net tube for each machine cycle and closed with a clip. At the same time the bag can be provided with a strip, wine-glass style or up to 80mm wide single clip or clip to clip label. The finished bag is discharged from an included conveyor that can take the bag to the front or to the back of the machine.

The V 2029 features an automatic system to change from one net tube to the other ensuring continuous production. This machine is built to industry mandates and complies with the newest industrial standards. A Siemens S7 control unit regulates all machine functions and a 7" touch screen with different language capabilities simplifies the operation and storage of programs and setting of parameters.

All motors are VFD controlled for safety with soft start/stop and provide electrical rather than problematic maintenance intensive motor braking. All internal clip-head parts are industry standard not proprietary. Direct thermal label printers, label applicators for 80mm wide labels including clip to clip labels, single or double weight holding collectors and infeed funnels to the net tube and 125, 140, 160, 200 or 250mm net tubes complete the option list. Production rates of 45-50 packages per minute are obtainable\*

*\*depending on products, package weight and weighing/counting machinery used*

# Net Clipping Machine V 2029



## Advantages of V 2029

- Engineered and constructed to industry mandates
- Powder coated Base Frame with all covers in stainless steel, Control Cabinet in stainless-steel
- Siemens color touch screen-user friendly with pictures to guide your operators
- Siemens color touch screen-integrated language options for multiple operators
- Siemens color touch screen-multiple program storage - **no** more guesswork-pick a saved project
- Siemens color touch screen-if an error occurs it's explained-no more confusing "package check"
- Integrated synchronization flexibility-works with any weighing or counting machine
- 1,100mm take-out conveyor standard-easily transfer to flat or inclined take-away conveyors
- VFD driven-Variable Frequency Drives control all motors-no more brake motors
- VFD driven-eliminates the complex adjustments required on brake motors
- VFD driven-eliminates the required maintenance on brake motors
- VFD driven-allows for soft start and stop to eliminate broken gearbox output shafts
- VFD driven-allows for speed adjustments on all motors that is impossible on brake motors
- VFD driven-equipped with thermal overload protection-unlike other machines
- VFD driven-SAFETY-when a brake motor stops the brake is locked on-VFD's allow freewheeling
- Ilapak clipper can control 2 collecting pans-versatility
- Pre-wired Printer option-add a thermal label printer now or in the future without added costs



## Net Clipper with VFD's

It does not matter how impressive, how fast or how many options a clipping machine has if it is a potential hazard to the operator. For years, manufacturers have been building machines with brake motors. This outdated technology requires frequent repairs and is costly to maintain.

Brake motors are a wear item and can cause timing issues and broken output shafts on gearboxes because they do not offer soft start abilities and are larger and heavier than non-brake motors.

Their biggest downfall, though, is that if something becomes jammed in the machine, the machine is programmed to power off the motor.

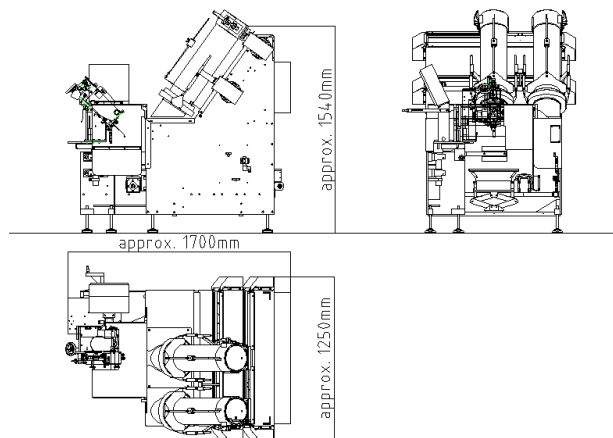
Although it is no longer driving, when power is removed, the brake is locked on and you cannot remove whatever has gotten jammed.

Ilapak has implemented a Variable Frequency Device on all motors in the clipping machine so that when power is removed, the motor can still freewheel because there is no mechanical brake activated. This is a much safer solution to dealing with jams.

Variable Frequency Devices also allow us to change motor speed that provides a soft start and soft stop so that we do not snap output shafts.



# Net Clipping Machine V 2029



**Technical Data:**

- Max. 55 cycles/min; dep. on product
- 230/400 V/N/PE; 50/60Hz; approx. 1.2 KW
- Weight: approx. 700kg
- Package Size: 0.5 – 5kg; dep. on product
- Label Length: 120-160mm
- Clipping Strip: approx. 0,35-0,45mm width 500;  
length per clip approx. 20mm
- Net Tube Diameters (outside): 125, 140, 160, 200 or 250mm
- Infeed Height: approx. 1540mm

**Standard Equipment:**

- Pivotal 6mm clipping head
- Automatic net tube change for continuous operation
- Net draw-off with net infeed slide system;  
length of net drawn-off infinitely adjustable
- Siemens S7 PLC with 7" Color Touch Panel
- All motors with frequency Inverters
- Net changing cone; net tube stand to allow quick net tube exchange

**Supplementary Equipment:**

- Label transporting unit for strip labels, wine glass labels and clip to clip labels
- Thermo Barcode Printer
- Intermittent discharge conveyor (1100mm, 1300mm, 1500mm)
- Net Loading Machine (Rucker)

## Printing Options



**Technical Data VALENTIN Vario III:**

for fixed weights and prices  
freely programmable  
printer fitted inside the housing

including:  
label software  
printer housing for protection against dust and dirt with mount for printer



**Technical Data VIDEOJET 6330:**

for fixed weights and prices  
print size 53 x 200 mm (continuous) or 53 x 75 mm (intermittent)  
freely programmable  
up to 250 cycles/minute

including:  
label software  
display  
rotary pulse encoder  
mount



**Technical Data MARKEM X45:**

for fixed weights and prices  
print size 53 x 250 mm (continuous) or 53 x 75 mm (intermittent)  
freely programmable  
up to 220 cycles/minute

including:  
label software  
10,1" display  
rotary pulse encoder  
mount