

# Producing the ideal material loop.

**Variax**

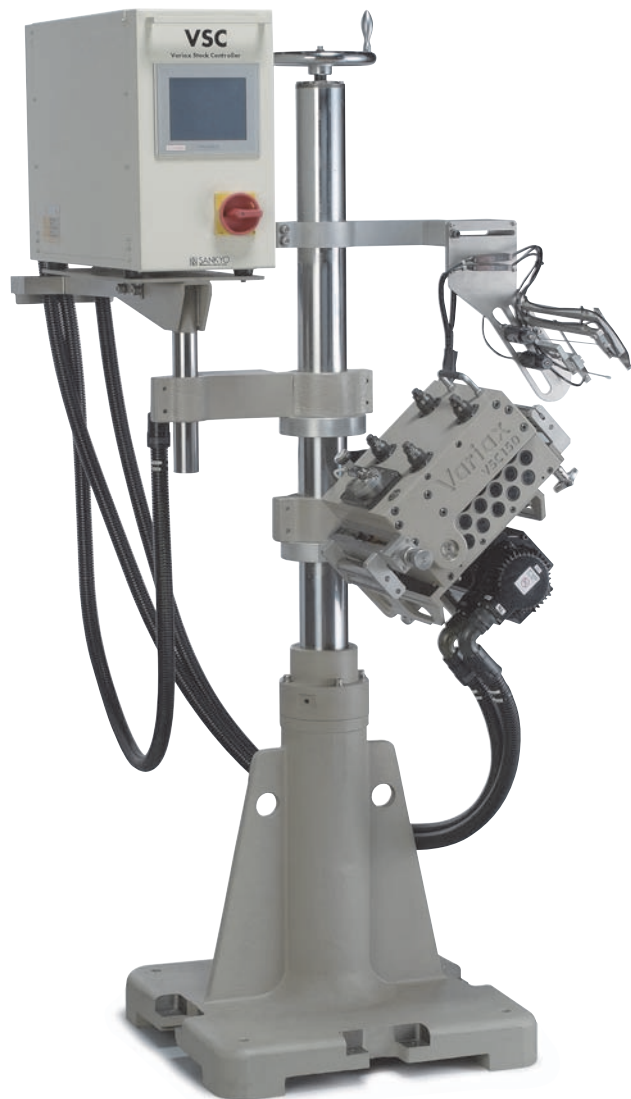
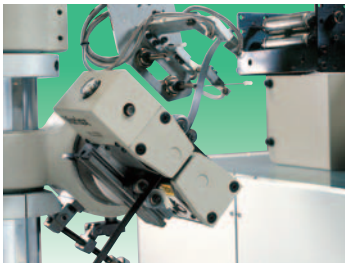
## VSC series

VSC70/150/400



## VLC series

VLC50/150/400



## Features

- Employ the high-resolution high-torque servo motor drive.
- To eliminate the bending of the material near the entrance loop.
- Possible to supply-eject the material at creep speed.
- Feed conditions are set by full-color touch screen.
- Integrating a leveler function that corrects the rolling habits of a material.

Sankyo developed the NC loop controller in order to create the ideal loop shapes required by the feeding device, using servo technology. This VLC sets up optimum feeding by forming ideal loops in the space allowed, taking advantage of the spring characteristics of materials and stabilizing the loop using a sensor and servo control. The VLC has excellent handling characteristics in that it does not scratch, kink or dent material and can improve both quality and productivity.

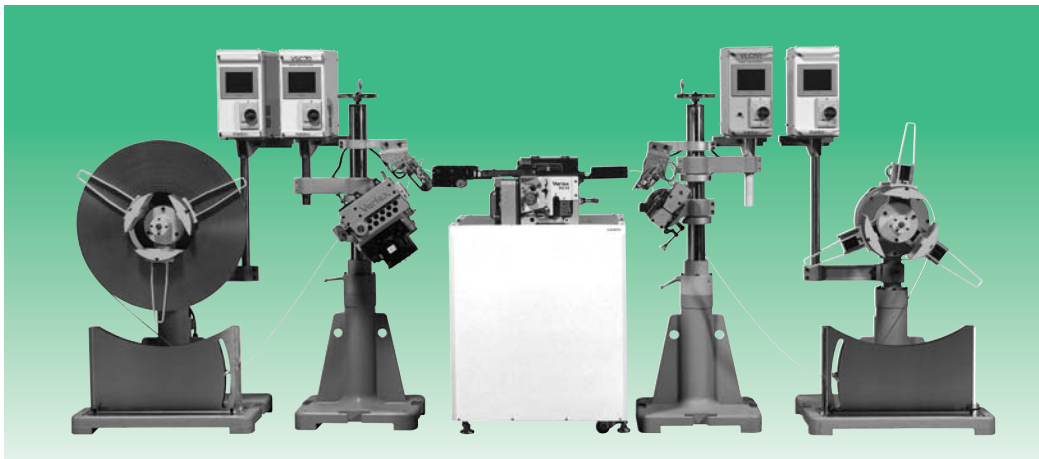
# Outline and Specifications

## Specifications (VSC)

Size	Unit	VSC70	VSC150	VSC400
Feed length	mm	0 to 999	0 to 999	0 to 999
Material thickness	mm	0.2 to 1	0.2 to 1	0.2 to 1
Grip force	N	350 (at 490-kPa air pressure)	700 (at 490-kPa air pressure)	1470 (at 490-kPa air pressure)
Maximum material width	mm	70	150	400
Maximum strokes	min <sup>-1</sup>	3000	3000	3000
Maximum feed rate	m/min	100	100	100
Operating air pressure	kPa	490 to 690	490 to 690	490 to 690
Operating power supply	V	200 VAC three phase, ±10%		
Paint color		5Y7/1	5Y7/1	5Y7/1
Product weight	kg	Approx. 320 (Including stand)	Approx. 330 (Including stand)	Approx. 1000
Product Specification Page		P3	P4	P5

## Specifications (VLC)

Size	Unit	VLC50	VLC150	VLC400
Feed length	mm	0 to 999	0 to 999	0 to 999
Material thickness	mm	0.2 to 1	0.2 to 1	0.2 to 1
Grip force	N	350 (at 490-kPa air pressure)	1500 (at 490-kPa air pressure)	1500 (at 490-kPa air pressure)
Maximum material width	mm	50	150	400
Maximum strokes	min <sup>-1</sup>	3000	3000	3000
Maximum feed rate	m/min	150	100	100
Operating air pressure	kPa	490 to 588	490 to 690	490 to 690
Operating power supply	V	200 to 230 VAC <sup>+10%</sup> / <sub>-15%</sub> , single phase, 50/60 Hz		
Paint color		5Y7/1	5Y7/1	5Y7/1
Product weight	kg	250	270	330
Product Specification Page		P7	P8	P9



An example of installing the VSC series in front of a feeder and the VLC series at a later stage in the press process



VLC150 overall dimensions

[Unit:mm]

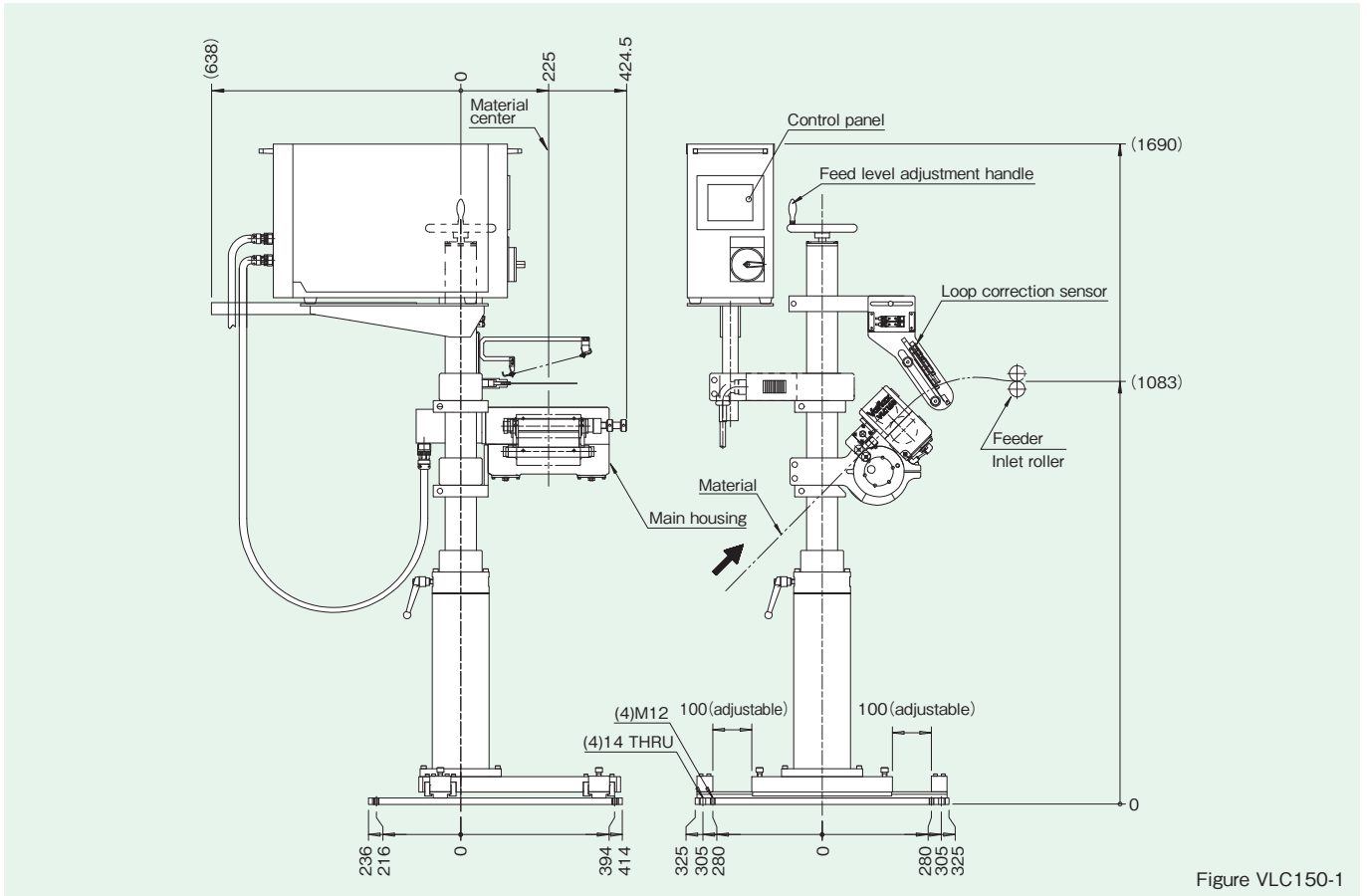


Figure VLC150-1

VLC150 main housing dimensions

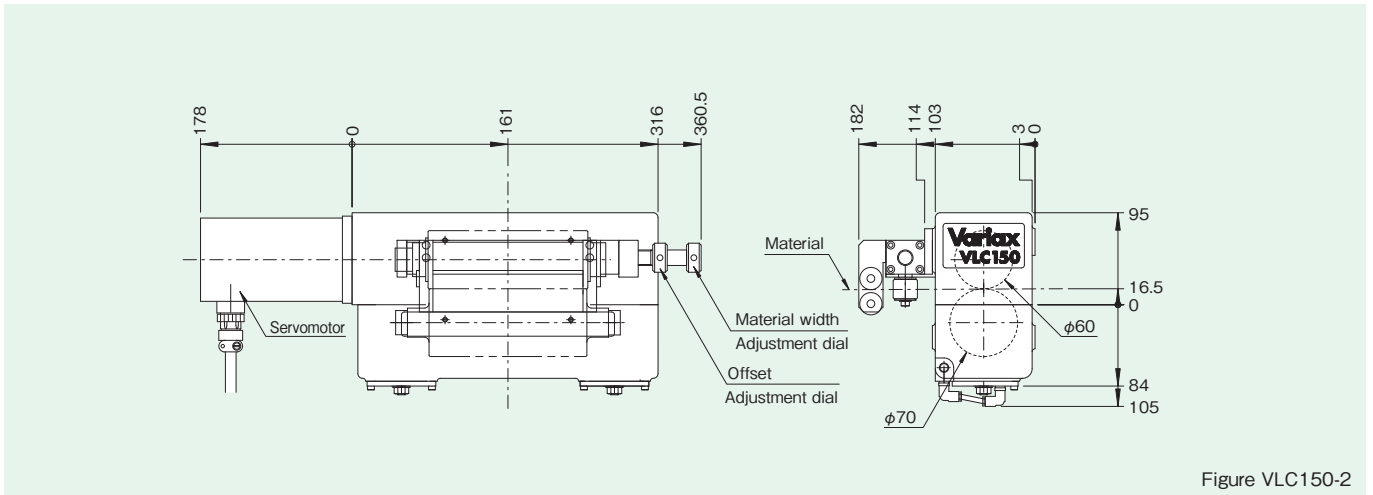


Figure VLC150-2

Specification table

Characteristic	Data
Feed length	0 to 999 [mm]
Material thickness	0.2 to 1 [mm]
Gripping force	1500 (at 490-kPa air pressure) [N]
Maximum material width	150 [mm]
Maximum number of strokes	3000 [min <sup>-1</sup> ]
Maximum feed speed	100 [m/min]

Characteristic	Data
Operating air pressure	490 to 690 [kPa]
Operating power supply	200 to 230 VAC, single phase [V]
Input power supply capacity	3.2 [kVA]
Product weight	270 [kg]

1[N·m] ≅ 0.102[kgf·m]

# VLC400

## VLC400 overall dimensions

[Unit:mm]

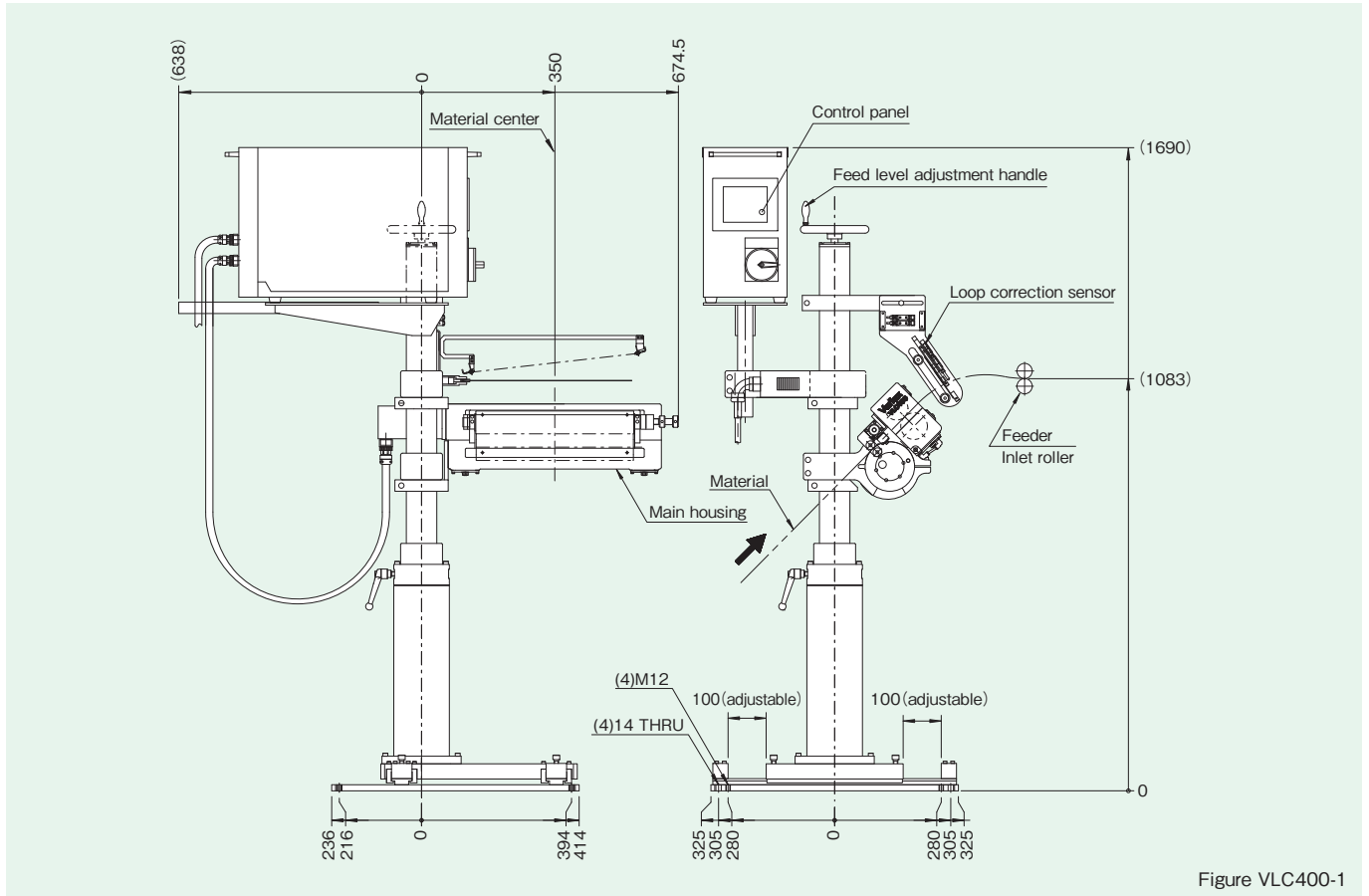


Figure VLC400-1

## VLC400 main housing dimensions

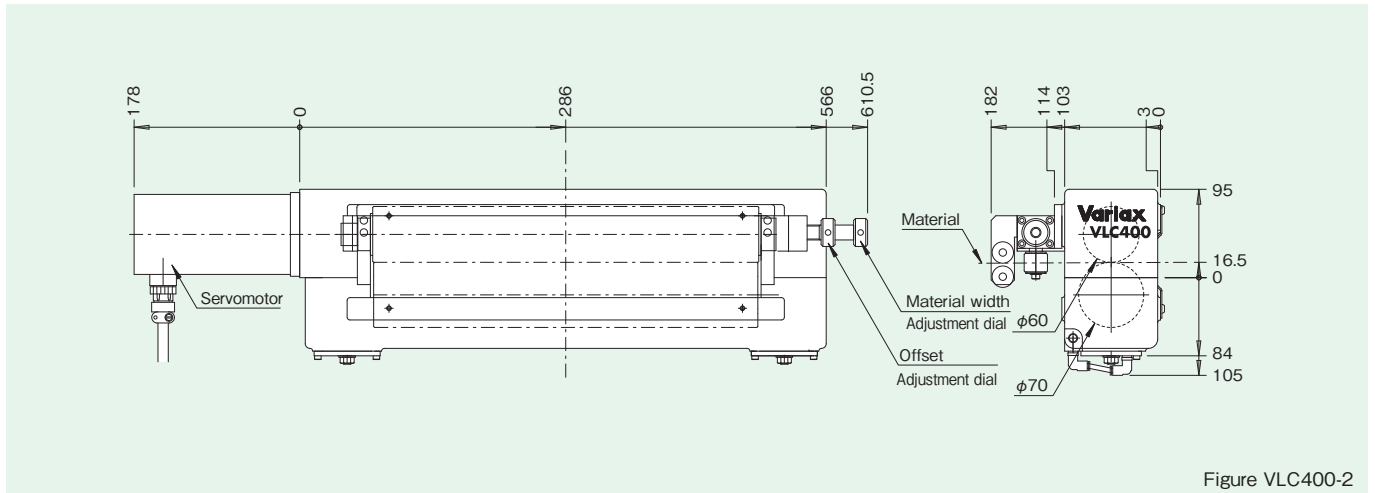


Figure VLC400-2

## Specification table

Characteristic	Data
Feed length	0 to 999 [mm]
Material thickness	0.2 to 1 [mm]
Gripping force	1500 (at 490-kPa air pressure) [N]
Maximum material width	400 [mm]
Maximum number of strokes	3000 [min <sup>-1</sup> ]
Maximum feed speed	100 [m/min]

Characteristic	Data
Operating air pressure	490 to 690 [kPa]
Operating power supply	200 to 230 VAC, single phase [V]
Input power supply capacity	3.2 [kVA]
Product weight	330 [kg]

1[N·m] ≅ 0.102[kgf·m]