

M a s t e r f l e x

VIHY Masterflex SC 60 • VIHY Masterflex SC 120



Hawkeye Pedershaab
Concrete Technologies Worldwide™

- Superior Productivity • Simple Operation
- Manufacturing Flexibility • Compact Design

Masterflex

Mass produces small diameter, non-reinforced concrete pipe.

The VIHY Masterflex series, featuring the Masterflex SC 60 and the Masterflex SC 120, is the industry's best solution for the mass production of small-diameter, nonreinforced concrete pipe. Based on the platform of the Vihymatic, the best-selling pipe machine of all time, the Masterflex is sturdy, easy to operate, and highly productive.

With its ability to make concrete pipe ranging from 100-600mm (4-24") dia. x 0.6-1.5m (2-5') length in the Masterflex SC 60, and 200-1200mm (48") dia. x 0.6-2.5m (2-8') length in the Masterflex SC 120, the Masterflex series is ideal when extremely flexible production is a must.

System Benefits

Superior productivity. The Masterflex is capable of producing up to 600 high-quality pipes in a single production shift.

Simple operation. An easy-to-use Falcon Control System continuously provides real-time feedback for efficient and economical production.

Manufacturing flexibility. The Masterflex SC 60 is capable of producing 1 to 3 pipes at a time.

- Single-pipe: 375-600mm (15-24") dia.
- Double-pipe: up to 300mm (12") dia.
- Triple-pipe: 100- 250mm (4-10") dia.

The Masterflex SC 120 is capable of producing 1 or 2 pipes at a time.

- Single-pipe: 300-1200mm (12-48") dia.
- Double-pipe: 300-600mm (12-24") dia.

High Output. Output starts with the rotary three station turntable design concept. Depending on machine model and product diameter, the PipePlus can produce up to 103 pipe-per-hour with exclusive Multiform modules.

Operation

Most often used as a stand-alone machine, products are automatically produced as a single machine operator carts finished products to a curing area.

The Masterflex can also be integrated with any degree of automation, including a fully automated production facility.

Standard Features

The VIHY Masterflex comes equipped with the following features:

- VIHY core vibration
- Built-in demolder
- Central Falcon control console
- Recessed production stations
- Hydraulic presshead system

Optional Features

The VIHY Masterflex can be equipped with the following additional features:

- Automatic offbearer
- Laser-level fill control
- Automatic pallet in-feed magazine
- Manhole module (Masterflex SC 120 only)



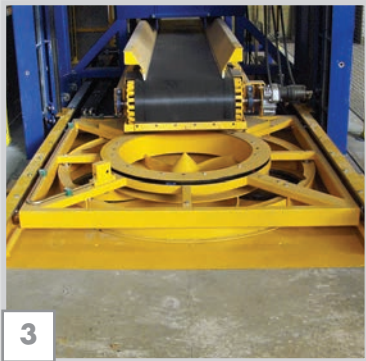
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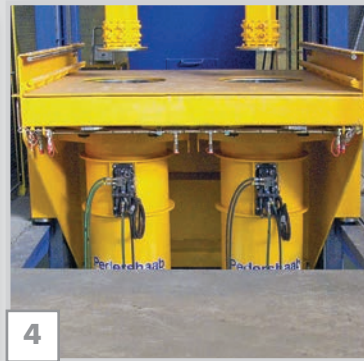
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1. Compact Design

The Masterflex SC 60's compact package easily fits existing buildings or new installations, and does not require a tall building.

2. Control Console

Central PLC based console with touch-screen interface for easy entry of machine settings, video display monitor, and closed-loop control system to ensure optimum filling speed and concrete density.

3. Concrete Distributor

Concrete is automatically fed and spread evenly into the mold cavity using a rotary distributor. Sensors in the system automatically shut down filling when the mold is full.

4. Recessed production station

Casting stations are recessed in the floor, providing an exceptionally safe operating environment and reducing noise levels.

5. Hydraulic presshead system

Precise, hydraulically-controlled pressheads allow for dense pipe spigots made to exact dimensions.

6. Built-in demolder

Products are automatically demolded immediately after filling, eliminating the need for an overhead crane.

7. Quality pipe

The Masterflex's vibrating core technology and Falcon controlled automation enable it to mass produce pipe of the highest quality.

8. Fully-automatic operation

The VIHY Masterflex is uniquely designed to eliminate the need for a machine operator – instead controlling all its movements and operations through the use of a computerized controller.



At HawkeyePedershaab we deliver more than machines.

We deliver solutions.

Masterflex		Model SC 60			Model SC 120	
Diameter		Pipe x 1.5 ML Hour			Pipe x 2.5 ML Hour	
mm	inch	Form Configuration			Form Configuration	
		1 Mode	2 Mode	3 Mode	1 Mode	2 Mode
100	4	25-30	50-60	75-90	x	x
150	6	25-30	50-60	75-90	x	x
200	8	25-30	50-60	75-90	x	x
250	10	25-30	50-60	75-90	x	x
300	12	24-28	48-55	x	20	40
350	14	24-28	x	x	20	40
400	16	22-26	x	x	20	40
450	18	22-26	x	x	20	40
500	20	20-25	x	x	16	36
600	24	20-25	x	x	16	32
700	28	x	x	x	14	x
800	32	x	x	x	12	x
900	36	x	x	x	12	x
1000	40	x	x	x	10	x
1200	48	x	x	x	8	x

*Production rates are based on the manufacture of ASTM C76(M) B-Wall x 1.5M [5'] or 2.5M [5'] concrete pipe.
Production rates may vary for specific applications and plants.*



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