

Constant Feed Weigher & Conveyor Scale

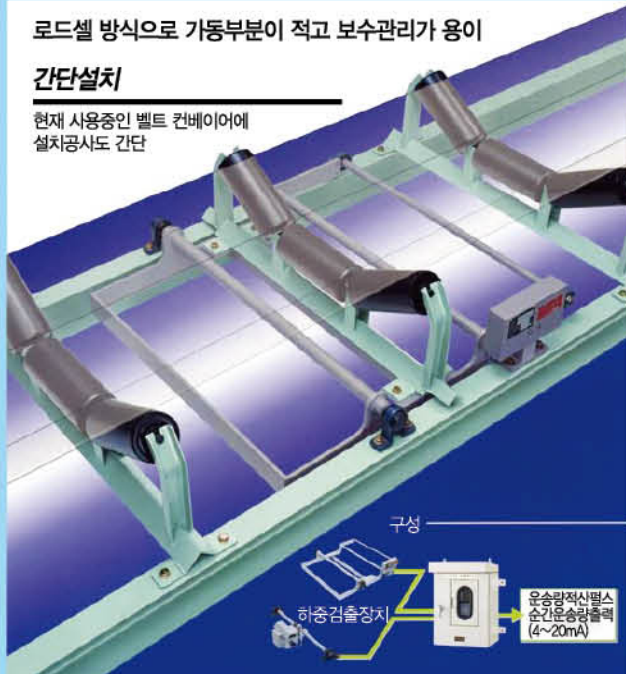
Newly designed DAEDO Constant Feed Weigher & Belt Scale DDC series features high performance & wide application for Steel plant, Power plant, Cement plant, Chemical plant & fertilizer plant.



A Load cell type Constant Feed Weigher & conveyor scales that is easy to maintain, high accuracy and stable in performance

콘베아 스케일 Conveyor scale

Belt Conveyor로 이송되는 원료에 대한 유량 및 적산량을 표시합니다.



형식기호 How to select model No.

DD-BS-D2-800-2-1-100-1

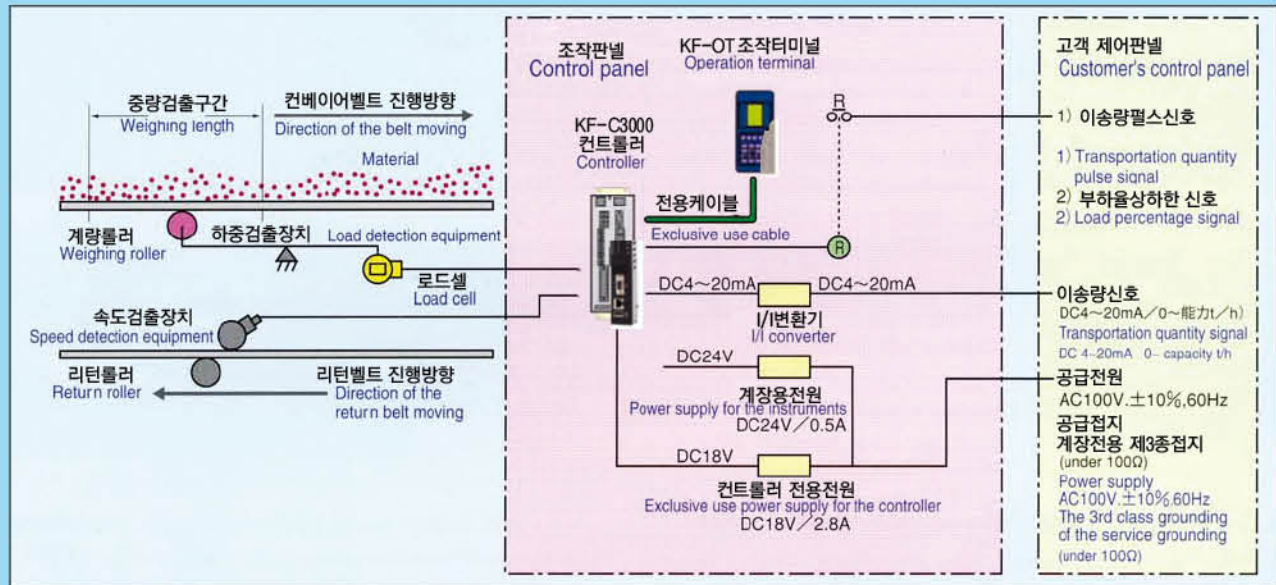
- Load cell 적용 A2:ALC 2개 / D2:DLC 2개
- 벨트폭 600,750,900,1050,1200.....
- Roller 종류 1:one flat roller, 2:three angle roller
- 계량부 위치 1:under belt, 2:upper belt(hanging type)
- 최대 이송량 ex) 100: 100ton/hr
- 속도검출기 1:belt touch type 2:Pulley mounting type

SPECIFICATIONS

Model	Refer above table
Capacity	Max.2500t/hr
Weighing Accuracy	± 1/100 ~ ± 1/200 of F.S
Belt speed	Max.300m/min under
Carrier pitch	1,000~3,600mm
Weigh span	4 digit
Belt Width	450~2800mm

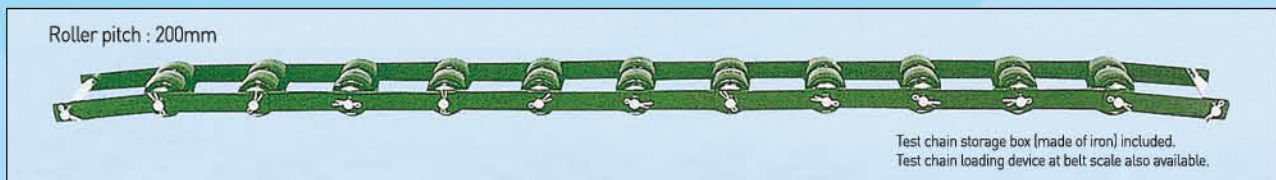
제철, 발전소, 시멘트, 요업 등 산업현장에서 다양하게 사용 되어 지고 있는 설비로써, 생산 및 출하량 관리 등의 목적으로 사용 되어지고 있습니다. Conveyor scale은 기존 belt conveyor상에도 커다란 개조 없이 간편히 부착 설치가 가능 합니다. 본 설비는 고정도의 로드셀 및 우수한 controller의 적용으로 계량정밀도를 한층 향상 시켰습니다.

표준제어구성도 Control Block Diagram



Test chain

벨트 scale의 성능시험에 사용합니다.



★ Test chain의 선택

- 질량의 선택 : Belt conveyor의 운반량은 belt scale의 계량능력을 넘지 않기 위하여 일반적으로 최대 운반량의 80%에 상당하는 무게의 T.C를 선택 합니다.
- 길이 : 계량구간(軸長)+Carrier roller pitch의 3배 정도가 필요 합니다. Carrier roller pitch는 test chain roller pitch(200mm)의 정배수(定倍數)로 합니다.

조작반 Operation Panel for Constant Feed Weigher

표준사양 Standard specifications

형식	Model	자립, 간이 방진구조	Self standing, Simple dust-proof type
설치장소	Located area	옥내	Indoor
본체와의 거리	Distance from scale	최대 200m(초과시 별도 변환장치 필요 함)	Max. 200m(if exceed, need the optional converter)
주위조건	Operating conditions	0°C~45°C, 상온, 비방폭지역	room temperature, No explosion area
도장색	Painting color	표준색 Munsell Standard color 부착계기 maker STD.	5Y7/1 or 주문자 지정색 5Y7/1 or user's nomination color instrument frame is maker standard

외형도 Outside view

제어반 Control panel

No.	품명 Part's name	Q'ty	내용 Letering
1	회사명판 Name Plate	1	DAEDO SCALE CO., Ltd.
2	기물명판 Name plate of weigher	1	Constant Feed Weigher
3	알림 벨 Buzzer	1	
4	조작터미널 Operation terminal	1	
5	조작버튼 Push button	1	
6	조작버튼 Push button	1	
7	조작버튼 Push button	1	

※ 본 외형도는 Sample입니다. 주문자의 요청에 의하여 변경이 가능합니다.

조작반 Operation Panel for Conveyor Scale

표준사양 Standard specifications

형식	Model	자립, 간이 방진구조	Self standing, Simple dust-proof type
설치장소	Located area	옥내, 옥외 Indoor or outdoor	옥외형은 IP54보호 outdoor type protection grade is IP54
본체와의 거리	Distance from scale	최대 200m(초과시 별도 변환장치 필요 함)	Max. 200m(if exceed, need the optional converter)
주위조건	Operating conditions	0°C~45°C, 상온, 비방폭지역	room temperature, No explosion area
도장색	Painting color	표준색 Munsell Standard color 부착계기 maker STD.	5Y7/1 or 주문자 지정색 5Y7/1 or user's nomination color instrument frame is maker standard

외형도 Outside view

벽부착(옥내형)
Wall mounted type for indoor use

벽부착(옥외형)
Wall mounted type for outdoor use

자립형(옥내형)
Self standing type for indoor use

자립형(옥외형)
Self standing type for outdoor use



**CONTROLS PLATFORM
FOR WEIGHING & FEEDING**

THE INTELLIGENT EVOLUTION OF PROCESS EQUIPMENT



MERRICK

The Merrick logo features a stylized, grey, semi-circular arch with a gear-like or segmented appearance above the word "MERRICK". The word is written in a bold, blue, sans-serif font with a thick underline.

Genetix® has the flexibility to accommodate both simple and complex system configurations. With Genetix® you can choose where to add intelligence to your process and the best method to seamlessly integrate the information into your plant control system. You can adapt Genetix® to your system and application needs.

- Single Board Control provides smaller size while improving capabilities and performance.
- Superior Weighing Resolution of 16,000,000 Divisions (24-bit A/D Conversion)
- Based on latest embedded technology ARM Processor
- Programmable USB, RS-232 and RS-485 Serial Communications Ports
- Fully equipped with Analog and Digital Inputs and Outputs (Pluggable Terminals)
- Available in a multitude of NEMA and IP Rated Enclosures



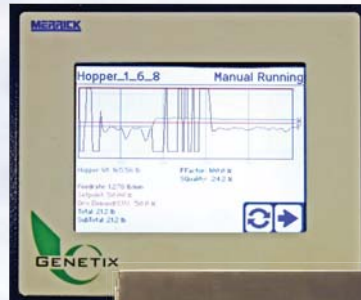
PROCESS DEVICE

Belt Feeder
Belt Batcher
Loss-in-Weight Feeder
Weigh Out Batcher
Belt Scale
Bulk Bag System
Flowmeter
Bin Weigher

WORKS WITH

USER INTERFACE

Color Touch Interface
LCD Membrane
Wireless



WORKS WITH

INDUSTRIAL NETWORKING

Ethernet
Modbus
PROFIBUS®
DeviceNet™
ControlNet™
Scalenet
DF-1



**PROFI
BUS**

WORKS WITH

SUPERVISORY CONTROLS

DCS
HMI & PLC
Recipe Blend System



INTERNAL OR EXTERNAL DNA KEY INTERFACE

Portable memory key
Simple and easy to use
Store and reload set-up parameters
Store material characteristics

GENETIX® PORTABLE WIRELESS DISPLAY

Bluetooth® equipped
Full function user interface
Remote calibration and set-up
Rechargeable battery

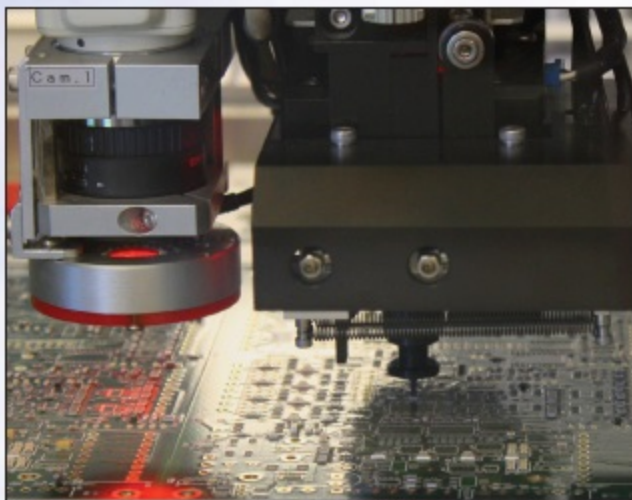


MERRICK is unique in that we develop, produce and support our products within our company. For Genetix®, this even includes producing the intricate boards for the surface mount circuitry as well as mounting and the layout of other mechanical components.

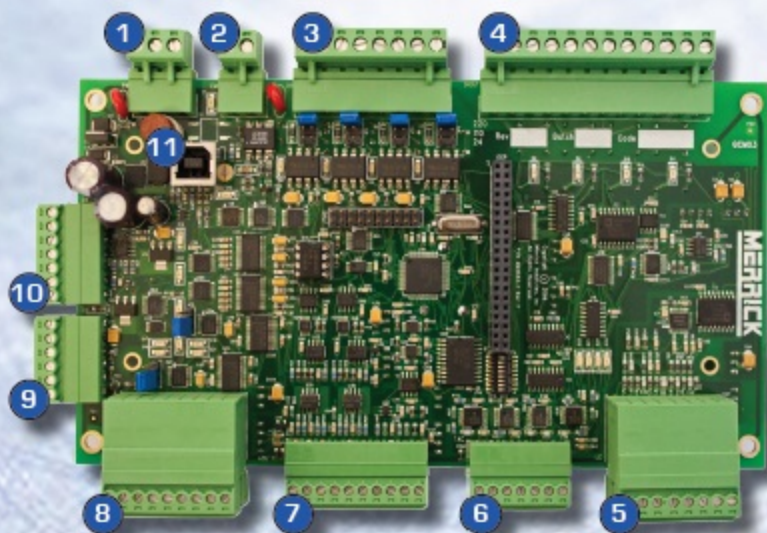
In addition, the software for the controller was developed by MERRICK engineers and programmed specifically for each weighing or feeding application. Our programmers rely on our more than 100 years of experience as a manufacturer of dynamic weighing equipment to ensure the software integrates with Genetix® hardware to provide the most effective solution for our customers' needs.

The stringent procedures followed for producing Genetix® ensure a quality product with an incredibly low failure rate in the field. Genetix® is aged in a climate-controlled chamber for an extended period of time while performance statistics are being collected by a computer network.

What this means to our customers is that MERRICK can provide Genetix® with superior reliability, expert support and the ability to adapt and refine Genetix® to match the needs of our customers.



INSIDE THE GENETIX® CORE MODULE (GCM)



1. 24V DC POWER
2. REMOTE TOTALIZER OUTPUT
3. FOUR DIGITAL INPUTS
24V DC / 120 / 240V AC
4. FOUR FORM C DIGITAL OUTPUTS
5. TWO LOAD CELL INPUTS
6. TWO ENCODER INPUTS
7. ANALOG I/O
ONE IN / TWO OUT
8. TWO SERIAL PORTS
RS232 / 422 / 485
9. DNA KEY INTERFACE
10. EXPANSION
11. USB TYPE B CONNECTOR

FAMILY OF
MERRICK
COMPANIES

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