



Feed Mixer

High tech WEIGHING INDICATORS and accurate LOAD CELLS



DTMsuite

Daily TMR Manager SW



dg precisionFEEDING[™]

NIR analysis and automatic weight adjustment for a consistent ration



FARM of the FUTURE



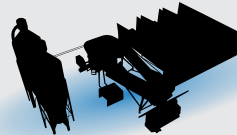
AgriNIR[™] Analyzer

NIR PORTABLE Analyzer for forages, grains and fresh forages



Livestock

ANIMAL accurate WEIGHING



Feed Automation

weighing system and automation for stationary applications

Full traceability from the field to the milk/meat production



PRECISION feeding

Feed Mixer

High tech WEIGHING INDICATORS
and accurate LOAD CELLS

THE PRODUCT

Reliable, accurate and high tech weighing system for feed mixer.

Wide range of indicators from the simplest version up to a programmable version with over 100 programs.

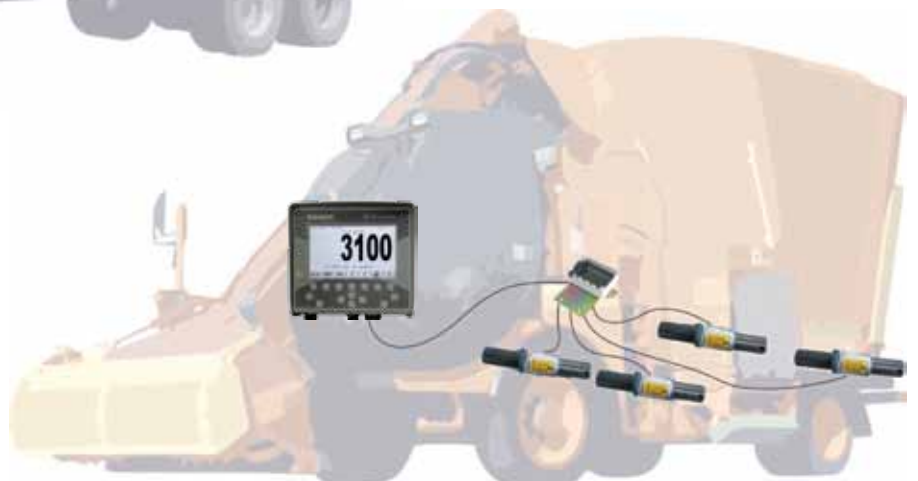
Over 80 models of MOBILE load cells to cover all kind of installations.

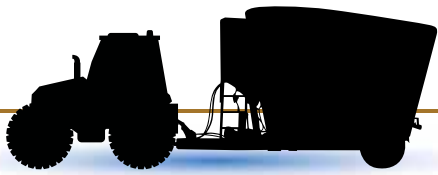
A complete range of accessories to make the job easy and comfortable for the operators.

WHY SHOULD DINAMICA GENERALE BE YOUR CHOICE?

An accurate weighing system on the feed mixer allows:








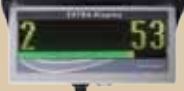


















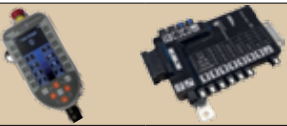

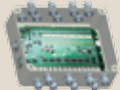
- Feed savings
- Ration optimization for a consistent TMR
- Higher profits
- Less refusals





Feed Mixer

High tech WEIGHING INDICATORS
and accurate LOAD CELLS

	 <p>DG 400</p> <ul style="list-style-type: none"> Robust and reliable Easy to use 	 <p>DG 500</p> <ul style="list-style-type: none"> 48 programs LCD Display for user messages 	 <p>DG 600</p> <ul style="list-style-type: none"> 147 programs Editing from the indicator Users messages Menu in 30 languages 	 <p>DG 8000</p> <ul style="list-style-type: none"> Large graphical display Easy editing directly from indicator Management of components, recipes, unloading points and programs 	 <p>DG 8000 IC</p> <ul style="list-style-type: none"> 48 recipes, 48 pens, 48 batches Wi-Fi communication GPRS communication NIR Analyzer Management
Display	 <p>Cab Display</p>	 <p>Weight Repeater</p>	 <p>Extra Display</p>	 <p>XL Display</p>	
	 <p>Cab Display + WiNET</p>	 <p>Weight Repeater + WiNET</p>	 <p>Extra Display + WiNET</p>	 <p>XL Display + WiNET</p>	
Remote Control	 <p>Easy Control 2</p>				
			 <p>Dina TEL3</p>		
	 <p>Bluetooth Modem</p>	 <p>Dina TEL3 App</p>			
Ticket	 <p>Printer</p>				
DTM SW	 <p>DTM™</p>	 <p><i>light</i></p>	 <p><i>advanced</i></p>	 <p><i>professional</i></p>	 <p>IC</p>
Data Exchange				 <p>WiFi IPcom KIT</p>	
Traceability				 <p>GPRS</p>	
Analysis				 <p>Distribution Tracking</p>	
Automation	 <p>SMART Control KIT</p>				
	 <p>OUT Interface</p>				
					 <p>Motor Control Box</p>



THE PRODUCT

SMART Control is a device for the integrated management of the hydraulic and weighing functions:

- Implement functions management: settings, parameter status, warning and alarms;
- Easy and immediate settings, storage and working data's exportation thanks to a dedicated USB port;
- Wireless connection;
- Highly customizable solution both in terms of functions and graphic design to fit every customer's needs;
- User friendly thanks to softkeys and icons that identify each function.
- Data stored on USB key
- Set safety alarms
- Color Display for high visibility
- Waterproof



WHY SHOULD DINAMICA GENERALE BE YOUR CHOICE?

Three working modes

- Weighing
- Hydraulic
- Combined (weighing and Hydraulic)

Programmable weighing system with:

- 99 recipes (max 24 components)
- 48 distribution programs (48 distribution points/pens each)
- Choice of components from a list of 99
- Choice of distribution points from a list of 64

Service menu with working hours counter and overload counter.

The operator's safety is really important to Dinamica Generale:

- Acoustic warnings
- Emergency button to stop all movements of the machine
- Easy installation and mounting procedure thanks to several mounting option available (articulated arms, suction cup, special brackets)



TECHNICAL FEATURES

Display

LCD 4.3" Full Color HD

Memory

8Mb RAM 2Mbyte Flash

Interface

RS232, RS485, CAN BUS,
USB, Xbee

Inputs and Outputs

24 Solenoid Valve Outputs

Working temperature

-20 + 50 °C

Power Supply

9-32V

Maximum Consumption

300mA @ 9V

Protection Class

IP68

Material

PC-ABS V0

Mounting Options

Articulated arms

Suction cup,
Special brackets

Dimensions (L x H x D)

210mm – 95 mm –36 mm

Weight

400g



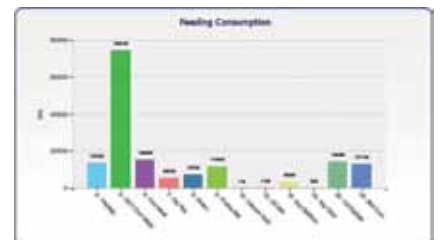
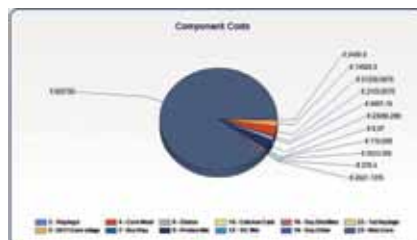
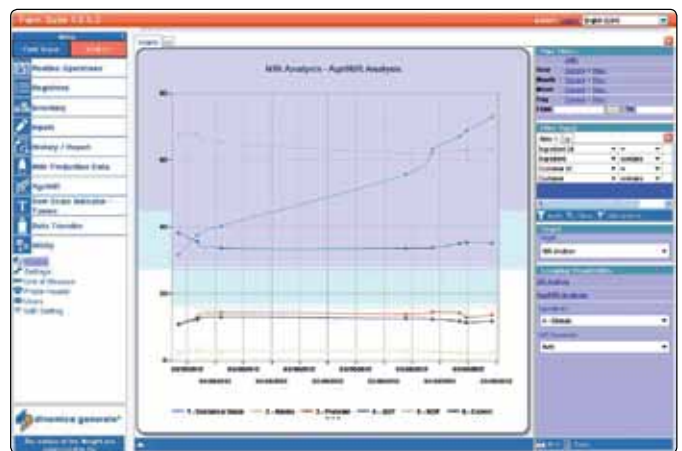
THE PRODUCT

DTMsuite is a multilevel software package designed for the optimal feeding management of the farm. From the definition of components and recipes up to the control of the distribution: costs, time, labor and inventory data available in intuitive tables and graphs.

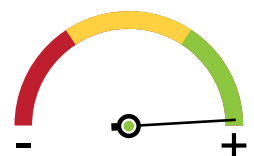


WHY SHOULD DINAMICA GENERALE BE YOUR CHOICE?

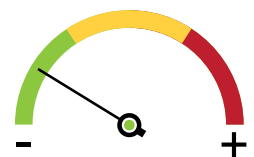
- Accurate cost control (timing and labor, stock, feed waste)
- Time saving in recipes programming
- Stock control and purchase management in order to organize at the best your purchase
- Complete overview of the farm processes and detailed reporting about feed nutrient values, milk production and feed efficiency



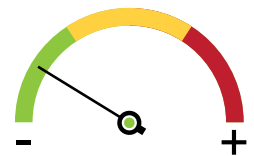
INCOME OVER FEED COST (%)



DISTRIBUTION ERROR (%)



LOADING ERROR (€)





THE PRODUCT

dg precisionFEEDING™ is an innovative system that allows the farmer to distribute a balanced ration to the animals, as determined by the nutritionist, thanks to the analysis of the ingredients used and optimal adjustment of their weight.

The heart of the system is an NIR technology analyser, that is installed directly on the self-propelled mixer or on the frontloader, that predicts the value of the key nutrients* and dry substance contained in each ingredient during the loading phase.

The system recalculates in real time and automatically the weight to be loaded to maintain the nutrient values proposed by the nutritionist.

*Starch, protein, ADF, NDF, ash and total fat are those nutrients.



WHY SHOULD dg precisionFEEDING™ BE YOUR CHOICE?

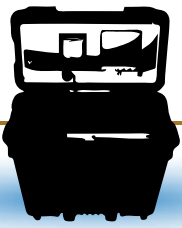
- The provision day after day of a substantial and balanced ration leads to:
 - An increase in the amount of milk produced
 - An improvement in the quality of the milk
 - An increase in the level of fat and protein in the milk
- Daily management of the ration contributes to:
 - Minimising the amount of waste
 - Correct feeding of the cows while maintaining a balanced and constant nutritional content in the ration
- Providing of the nutritionist with remote access to the management software during rearing allows constant monitoring of the processes of feeding and the immediate implementation of corrective actions.
- A rapid return on investment both measurably and quantifiably, for every company.



PARAMETERS AND FAMILIES ANALYSED

NIR CHEMICAL PARAMETERS

		Humidity	Starch	Protein Raw ingredient	Fiber ADF	Fiber NDF	Ash	Ethereal Extract
FAMILIES FODDER	Corn silage	YES	YES	YES	YES	YES	YES	YES
	Hay	YES	NO	YES	YES	YES	YES	YES
	Corn mash	YES	YES	YES	YES	YES	YES	YES
	Alfalfa Hay	YES	NO	YES	YES	YES	YES	YES
	Grass silage	YES	NO	YES	YES	YES	YES	YES
	Unifeed	YES	YES	YES	YES	YES	YES	YES
	Soya-bean meal	YES	NO	YES	NO	YES	YES	YES



THE PRODUCT

AgriNIR™ is a portable NIR analyzer for forages and grains that quantifies the percentage of Humidity or Moisture (dry matter), Starch, Crude Protein, ADF, NDF, Ash and Crude Fat of the plant material being analyzed in seconds.



WHY SHOULD AgriNIR™ BE YOUR CHOICE?

- Checking forage DM in field to determine the right time to harvest
- Control of the quality of feed inventory
- Monitor forage variability
- Check the quality of feed purchased
- Recipes adjustment based on AgriNIR™ predictions
- Monitor the consistence of TMR and delivery
- Evaluate statistic and historical data of feed composition
- Quick ROI thanks to multiple uses in field and in farm of the machine

VALIDATION

- The following universities: University of Padua (Italy), Department of Animal Science in 2007, University of Cracow (Poland), Department of Animal Nutrition in 2008.
- All reference chemical Analysis in USA are conducted by commercial forage laboratories rated A or B by annual NFTA testing (National Forage Testing Association, USA).
- Many Universities studies highlight the accuracy of the product: Purdue University, Cornell University, University of Wisconsin-Madison.

HOW TO USE IT

- Put the material in the sampling cup
- As soon as power is supplied and lamp is stabilized, sample analysis can begin
- Insert the sampling cup into the AgriNIR™
- Start the analysis, and read the result on the display; the analysis results can be printed on ticket or transferred to PC
- More replicates mean more precision





THE PRODUCT

X-NIR™ is an hand held analyzer for forages and grains that quantifies the percentage of Moisture (dry matter), Starch, Crude Protein, ADF, NDF, Ash and Crude Fat of different material in few seconds.

X-NIR™ allows you a real time control of your TMR.



WHY SHOULD X-NIR™ BE YOUR CHOICE?

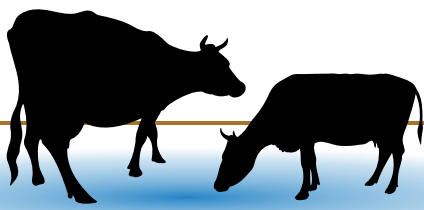
- Real time control of your TMR gives a clear evidence of what cattle breed and assesses the ration instantaneously (less waste = more profits)
- Fully customisable product (50 families available by area)
- Lower management costs due to:
 1. Quick and easy setup
 2. Real time results
 3. No need of consumables to perform analysis
 4. Better representativeness of sample scanned (Reliability)
- Intuitive. Easy to use
- Lower operating and maintenance costs thanks to few long life components (i.e. rechargeable battery)
- Touch screen interface let you access all function with a simple fingertip



THE SYSTEM

- X-NIR™
- Battery charger
- Power supply charger
- Cable connection power
- Battery (x 2)
- Usb key
- Touch pen
- Spare parts (lamp, glass e gasket set)
- Connection with software X-NIR Trace





THE PRODUCT

Taurus weighing system is made up of a set of reliable and long lasting components able to work in the most rugged and harshest fields. It can be used to weigh cattle, pigs, sheep, horses, goats, buffalos. Our weighing indicator guarantees a perfect and reading of the weight also with restless animals. Available also the DYNAMIC version to weigh the animals while they are walking and passing through gates.




WHY SHOULD TAURUS BE YOUR CHOICE?

- Increase profitability
- Improve reproductive performance
- Improve first lactation production
- Establish the true breeding value of the cow
- Prevent diseases with reduction of veterinary costs
- Select animals by weight for sale and/or slaughter
- Lower environmental impact



KIT INDICATORS

		KIT TAURUS 10	KIT TAURUS 30	KIT TAURUS 50
				
		Code: 999-0975	Code: 999-0976	Code: 999-0977
Weight mode	Basic	✓	✓	✓
	Manual	✓	✓	✓
	Semiautomatic	✓	✓	✓
	Automatic	✓	✓	✓
	Dynamic	-	-	✓
Features	Amounts	✓	✓	✓
	ID Management	-	✓	✓
	Threshold	-	✓	-
Features	ID Reader	-	✓	✓
	Remote Display	-	✓	✓
	Taurus Trace	-	✓	✓
	Printer	-	✓	✓

Each Kit includes power cable and power supplier.

FEATURES

AMOUNT

- Accumulation of successive weighing
- Number of animals
- Average weight
- Maximum and minimum value

ID MANAGEMENT

- VID: Visual code write from the keyboard
- EID: Electronic code read with a wall or stick reader

THRESHOLD

- Automatic opening of cages gates based on weight range

Feed Automation

Weighing system and automation
for stationary applications

THE PRODUCT

Programmable weighing system and software solution able to manage automation both in preparation and distribution of the ration.

It allows to control relay contact activated by components, by unloading points of the execution program.

It is possible to manage automatically the loading and the distribution phase.

WHY SHOULD FEED AUTOMATION BE YOUR CHOICE?

- Full automatic management of the feeding
- Remote scheduling
- Update programming from office
- Precision in the loading and distribution phases
- Labour savings
- Customized system (it can be totally set by customer)





FARM of the FUTURE

FULL TRACEABILITY of all farm's operations

THE CONCEPT

All data collected in the field e in the farm during the animal feeding managed by a unique, integrated and customizable tool.

Historical data and efficient reporting always available for a proactive management of the farm.

An integrated solution that provides precise data for planting, harvesting, feeding and livestock weighing.

PICK THE SOFTWARE YOU NEED AND SET UP YOUR FARM OF THE FUTURE

- A unique basket to get full integration of data coming from the field and from the farm
- Detailed overview of farm profitability
- Full traceability of the production process
- A single innovative way of decreasing costs and increasing profits
- The farmer knows always the status of his business to be able to plan and take actions in advance
- Process control and evaluation from the soil to the milk

Full Traceability... from field to milk/meat production

Field Management				Feeding Management			
Spreader Weighing and Control 	Seeder Weighing and Control 	Sprayer Control 	Harvesting Weighing and Analysis 	AgriNIR™ NIR PORTABLE Analyzer for forages, grains and fresh forages 	dg precisionFEEDING™ NIR analysis and automatic weight adjustment for a consistent ration 	Feed Mixer High tech WEIGHING INDICATORS and accurate LOAD CELLS 	Livestock ANIMAL accurate WEIGHING

FARM of the FUTURE

QUALITY AND CERTIFICATIONS*



CONTACTS

GENERAL INFORMATION

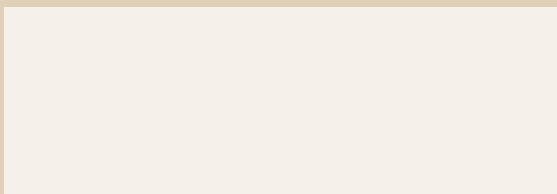
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*obtained from Dinamica Generale S.p.A.