COMBI

Combined and extensible cultivators with in-row weeders

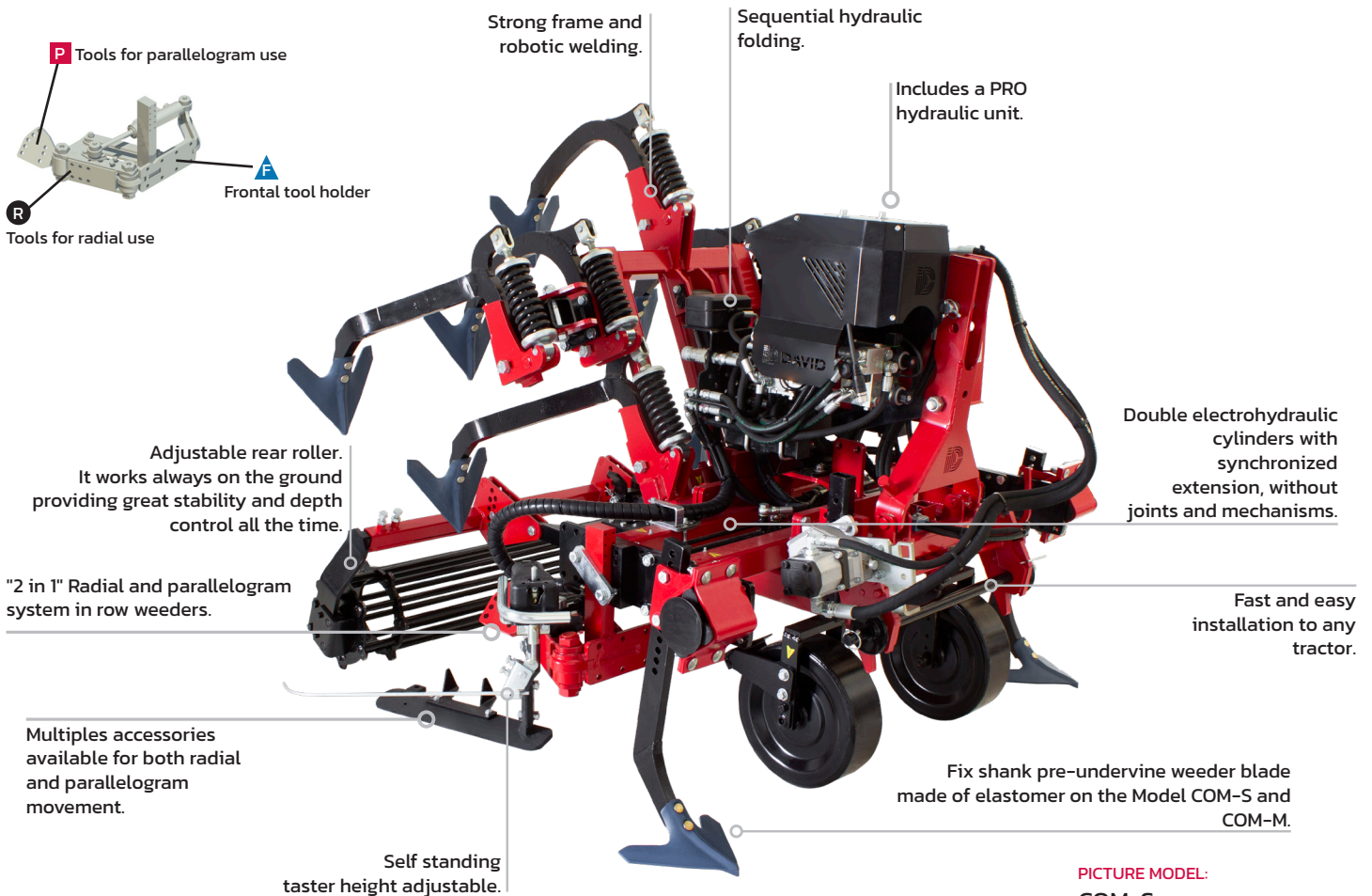

VITI

SETO

ID DAVID
SMART FARMING SOLUTIONS

SERIE
COMBI

VITI   **SETO**

Combined and extensible cultivators with in-row weeders to used like a cultivator for integral tillage or only between the rows and let a grass cover in the middle of the row itself.

P Tools for parallelogram use

F Frontal tool holder

R Tools for radial use

Strong frame and robotic welding.

Sequential hydraulic folding.

Includes a PRO hydraulic unit.

Double electrohydraulic cylinders with synchronized extension, without joints and mechanisms.

Adjustable rear roller. It works always on the ground providing great stability and depth control all the time.

"2 in 1" Radial and parallelogram system in row weeders.

Fast and easy installation to any tractor.

Multiples accessories available for both radial and parallelogram movement.

Self standing taster height adjustable.

Fix shank pre-undervine weeder blade made of elastomer on the Model COM-S and COM-M.

PICTURE MODEL:
COM-S

PTO   X2   **ID PLUS** VS.

Versatility
- The widest range of produtcs and accessories on the market. A custom configuration to suit your needs.
- Multiple tools for the in-row weeder that allow both surface working and tillage up to 20 cm deep.
- The ID-CONTROL joystick allows to control all the machines manufactured by ID David and equipped with the ID-PLUS or ID-MICRO technology.

Exclusivity
- The exclusive undervine weeder that combines the "parallelogram-radial" movement, faster, safer and endowed with unmatched versatility thanks to its triple tool holder.
- The special position of the tines makes possible to work always at the same distance between them, avoiding jamming.
- The hydraulic cylinder allows to lift the frame, to keep the in-rows in working position and to close automatically the roller to compact the equipment.

Effectiveness
- Time is valuable, it is possible to work up to 12 km/h with a standard soil conditions.
- The easy adjusting of hydraulic pressure of the in row weeder assured a perfect work in any type of soil.
- Components and materials of high quality from certified manufacturers.

Reliability
- Opportunity to work between plants starting from 1 cm diameter thanks to our adjustable and progressive eletronic sensor, the arm is moving at the right time to save the plant .
- The reinforced structure, hydraulically width adjustable, and the special tines enable to work with different types of ploughshare reaching a working depth of up to 25 cm.
- Experience in the manufacture of electrohydraulic undervine weeders since 1974.

Safety
- As standard all models are fitted with an exclusive safety locking system in case of faults.
- Enables route deviations up to 30 cm in the plantation'rows.
- Our equipment incorporates easy, comfortable and safe tool replacement systems.

Sustainability
- Ecological alternative to the use of herbicides.
- The low power required as well as the performance of 2 tasks simultaneously, allows the use of small tractors and consequently a lower carbon footprint.
- Improves the structure and porosity of the soil.

Standard Equipment

- Independent hydraulic power unit.
- Anti-shock sensor protector.
- Kit of Shank + Spring + Plowshare DAVID by Bellota.
- Hydraulic pressure regulator.
- Electro hydraulic in row weeder.
- Electro hydraulic extension of in row weeder frame.
- Tool kit for sensor regulation.
- Shank "D" and weeding blade manufactured in boron steel.

- Motorised tools quick connection kit.
- Standard boron steel plowshare, hardness 50Hrc.
- Special testrod sensor in high tensile steel.
- Pair metal wheels adjustable in height (not included in XS model).
- Hydraulic cultivator folding direct to tractor.
- Height and width adjustable rear roller.
- Quick coupling.

Remote control type

ID-PLUS

- Includes ID-CONTROL multifunction joystick.
- Includes ON-OFF of powered tools.
- Includes an electronic microcontroller: allows software updates at any time.
- Up to 5 additional electro-hydraulic functions.
- Includes a modular electro-hydraulic system: it allows to increase the number of electro-hydraulic functions.

ID-MICRO

- ! NOT included the ID-CONTROL multifunction joystick.
- Only for customers who already have the ID-CONTROL multifunction joystick.
- Includes ON-OFF of powered tools.
- Includes an electronic microcontroller: allows software updates at any time.
- Up to 4 additional electro-hydraulic functions.
- Includes a modular electro-hydraulic system: it allows to increase the number of electro-hydraulic functions.

ID-BASIC

- Includes an electric control box.
- ! NO additional electro-hydraulic functions allowed.
- ! NOT allowed any updates of electro-hydraulic functions.

ID-PLUS DUAL

- Includes ID-CONTROL multifunction joystick.Includes ON-OFF of powered tools.
- Includes cooler and double pump.
- Includes an electronic microcontroller: allows software updates at any time.
- Up to 3 additional electro-hydraulic functions.
- Includes a modular electro-hydraulic system: it allows to increase the number of electro-hydraulic functions.

				ID-PLUS	ID-MICRO	ID-BASIC	ID-PLUS DUAL
COMBI	cm.	ud	m	REF.	REF.	REF.	REF.
2 IN ROW WEEDER	49	5	**1,50-2,05**	COM-XS-1	COM-XS-2	COM-XS-3	COM-XS-4
	55	7	**1,85-2,60**	COM-S-1	COM-S-2	COM-S-3	COM-S-4
	55	9	**2,45-3,20**	COM-M-1	COM-M-2	COM-M-3	COM-M-4
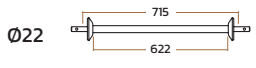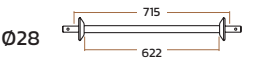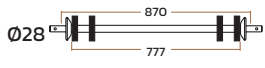
Technical details

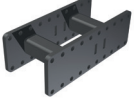| COMBI	REF.	X	A	⚖️	🚜	L	W	H
		m	m	kg	HP	m	m	m
2 IN ROW WEEDER	COM–XS	1,50–2,05	0,85–1,35	730	55	1,80	0,95	1,60
	COM–S	1,85–2,60	1,40–1,80	880	65	1,90	1,30	1,80
	COM–M	2,45–3,20	1,75–2,40	1130	80	1,90	1,80	1,80
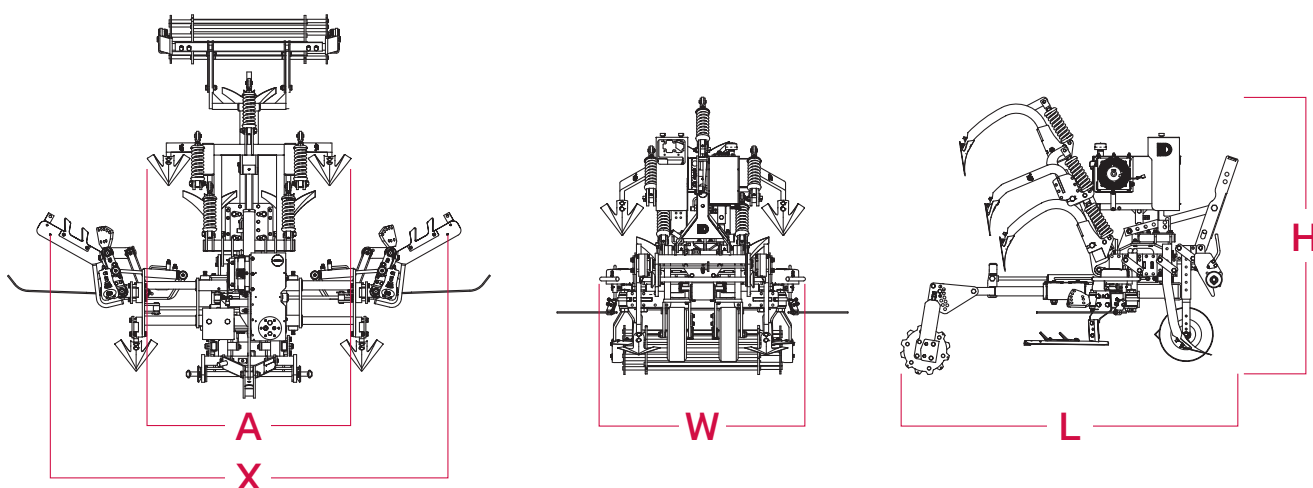
Drawbar

S Standard • Optional (Replace standard)	Ø22 715 / 622 REF. BE-2271	Ø28 715 / 622 STANDARD	Ø28 870 / 777 REF. BE-2887
COM–XS	•	S	•
COM–S	•	S	•
COM–M	•	S	•
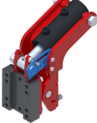
Cultivator
Accessories and Options

DESCRIPTION	OBSERVATIONS		REF.
Plow blade with rib 275x8mm + screws	Standard included	Unitary	GN-1
Double coil tines 70x8mm + screws		Unitary	CM-1
Suppletory wings 280x8mm + screws	Adaptable to fits in double coil tines	Unitary	AL-1
Over full plate extension	120 mm Not available for XS		SEC-12
Cultivator reinforced spring	Replace standard spring	Unit	MRC
	Extra	Unit	MRC-1
Roller Ø40cm fix helical *Height adjustable Replaced the adjustable Ø27 roller	1,05 m	COM-XS	RF1CSY
	1,40 m	COM-S	RF2CSY
	1,75 m	COM-M	RF4CSY
Pair of rear pneumatic wheels height adjustable	Replaces roller		RNT-01-P

Undervine weeders
Accessories and Options
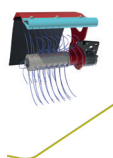
DESCRIPTION	OBSERVATIONS		REF.
Standard oil cooler	Adaptable to PRO hydraulic power plant	Intake 12V	A15-01-PRO
Pressure filter kit + oil cooler	Replaces hydraulic power plant . Not available for ID-PLUS DUAL.	Intake 12V Tractor plugs connection. +2	KFP-03
Hydraulic side slope correction for in-row weeders *Increases working width of 10 cm Inclination: + 21°, -10°	Directly to the tractor	Unit +2	IH-DT
	Electric cabine	Unit	IH-EC
Grass bend down system		Pair	STH-P
Ultrasensible kit for sensitive sensor	Ideal vineyards ≤ 1 cm	Unit	KU-1
Reinforced in row weeder cylinder for hard soil	Replaces standard cylinder. Recommended oil cooler.	Unit	CIA-R
Distance Control with cable	for ID-PLUS / ID-MICRO	Pair	MD1-P
	for ID-BASIC		MD2-P
Electrohydraulic kit for quick-connection (connection-disconnection)	In row weeder connection-disconnection Not available for ID-BASIC	Pair	KER-IA-P

	DESCRIPTION	OBSERVATIONS		REF.
F	Adjustable row cleaner disc 11" (smooth disc)	Adaptable to in-row weeder	Pair	BPI-P
F	Adjustable row cleaner disc 13" (notched disc)	Adaptable to in-row weeder	Pair	BPID-P
F	Kit ID STAR 2 discs	Adaptable to in-row weeder	Pair	KIA-S2-P
	Kit ID STAR 3 discs			KIA-S3-P
	Extra price ID-STAR (3rd disc)		Pair	ID-ST23-P
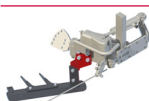
Undervine weeders
Tools for PARALLELOGRAM USE P
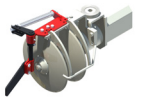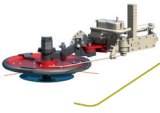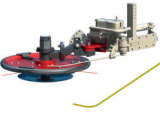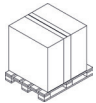
	DESCRIPTION	OBSERVATIONS		REF.
P	Kit ID-ROLL Ø600	Adaptable to in-row weeder	Pair	KIA-R6-P
P	Shoot remover kit + Sensor rod + String spool	COM-XS		DBR25-4-P
P	250 mm working width *Recommended oil cooler Available only for vineyards with at least 40 cm free to the ground or to any obstacle	COM-S	Pair	DBR25-5-P
		COM-M		DBR25-6-P
P	Arm B + fixed ploughshare + Sensor rod kit	310x480x400mm	Pair	BB-VFP
P	Arm C + adjustable ploughshare + sensor rod kit	410x540x430mm	Pair	BC-VRP
P	Arm E + fixed ploughshare with ridging element + sensor rod kit		Pair	BE-VFP
	Retractable extra cleaner blade with spring for ploughshare		Pair	EM-P

Undervine weeders
Tools for RADIAL USE R

	DESCRIPTION	OBSERVATIONS		REF.
R	Arm D + weeding blade + sensor rod kit	Standard included	Pair	BD-CPP
R	Kit pair of weeding blade + sensor rod	Cut 49 cm		RCI49P
		Standard 55 cm		RCI55P
		Long 65 cm		RCI65P

	DESCRIPTION	OBSERVATIONS		REF.
(R)	Kit weeding blade made by Tugstene + sensor rod	Pair	Standard 55 cm	RCHD55P
	Retractable extra cleaner blade "V" for blade	Not available for XS	Pair	EV-P
	Blade shovel		Pair	VO-P
(R)	Kit mini reversible plough kit 2 discs Ø13.5" + sensor rod 250 mm working width Recommended oil cooler and reinforced cylinder	COM-XS	Pair	MAD25-4-P
		COM-S		MAD25-5-P
		COM-M		MAD25-6-P
	Retractable extra cleaner blade for mini harrow disc		Pair	EMD-P
(R)	Kit Rotary hoe Ø300mm + sensor rod *Possibility of simultaneous use with weeding blade (not included) Recommended oil cooler + reinforced cylinder	COM-XS	Pair	RA30-4-P
		COM-S		RA30-5-P
		COM-M		RA30-6-P
(R)	Kit Rotary hoe Ø400mm + Sensor rod *Possibility of simultaneous use with weeding blade (not included) Recommended oil cooler + reinforced cylinder	COM-XS	Pair	RA40-4-P
		COM-S		RA40-5-P
		COM-M		RA40-6-P
(R)	Kit string mower Ø400mm + Sensor rod *Recommended oil cooler	COM-XS	Pair	GS40H-4-P
		COM-S		GS40H-5-P
		COM-M		GS40H-6-P
(R)	Kit string mower Ø500mm + Sensor rod *Recommended oil cooler	COM-XS	Pair	GS50H-4-P
		COM-S		GS50H-5-P
		COM-M		GS50H-6-P
(R)	Kit string mower Ø600mm + Sensor rod ID PLUS DUAL control required	COM-XS	Pair	GS60H-4-P
		COM-S		GS60H-5-P
		COM-M		GS60H-6-P
	Kit for modification of string mower with boron steel blades	Only available for new machine	Pair	KSGSH-D
	Square string spool	for mower	45 m	BHN-03
	Nylon string blue spool	for brush head	90 m	BHN-01
	Packaging	Basic		EMB-1
		Airfreight- oceanfreight		EMB-3

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