FRANC / GULDEN

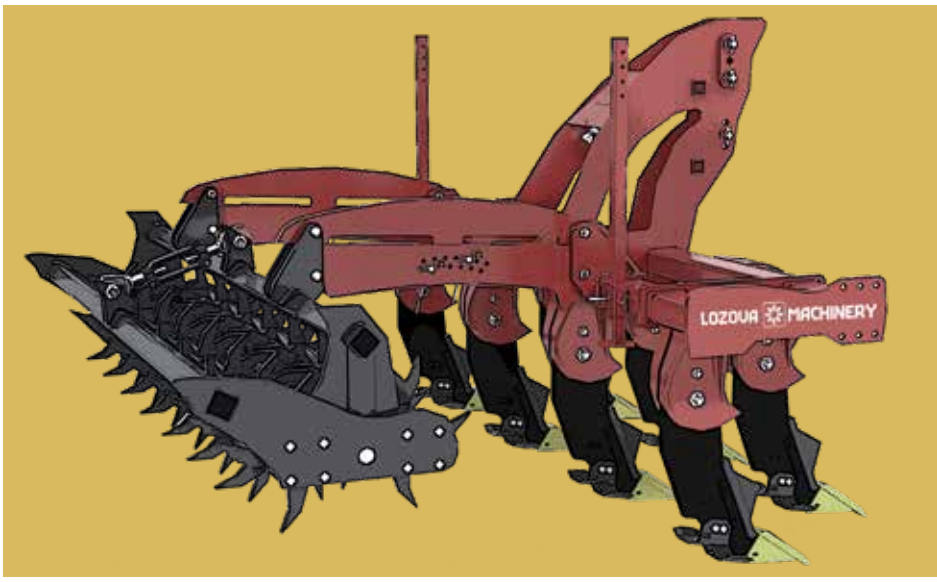
SUBSOILERS

LOZOVA MACHINERY

MAKE YOUR MONEY WORK!

FRANC / GULDEN

THE BEST ALTERNATIVE TO PLOWING
... AND SOIL BREATHES!



2,5 - 4 m
8' - 13' ft

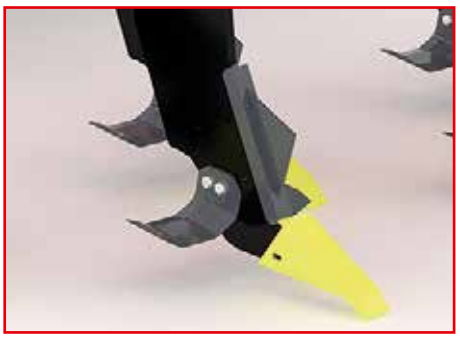
min 160 hp

min 3,6 ha/h
8.8 acre/h

Design characteristics of working tools

Quick-change front point and shim protect the tine from wear, and the geometric configuration allows deeper penetrating of the working tool into firm soil.

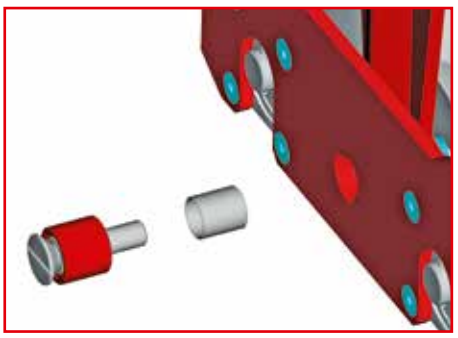
High-strength straight tine subsoils at right angle, preventig lateral displacement of the soil, and requires lower pulling force compared to "paraplau" tines.



Firm soil wave blasting effect

Side wings, fixed with bolts on the tine, allow subsoiling between the tines, providing maximum moisture penetration into lower layers, as well as to improve moisture conservation and air drainage.

Application of the side wings at high speed causes the “firm soil wave blasting” effect.



Minimal maintenance

Compound plane bearings of the roller balancing beam and depth adustment mechanism axle provide reliable work of these units for a long period of time."Breaking" of swivel places with a loss of function is excluded.

Compound plane bearings are maintenance-free, which significantly reduces the required number of lubrication points. In fact, lubricant shall be applied only for flanged bearing units of the roller.

HARD-SHELL — share points for franc and gulden subsoilers

THREE TIMES LONGER WORK!

- The main feature of HARD-SHELL quick-change hardmetal point is long term durability. HARD-SHELL significantly reduces maintenance costs and provides high quality work at constant depth. The point is welded and can be mounted both on FRANC and GULDEN.
- Hardness is more than 88 HRC.

- Quick-change point made of boron steel with built-in wings for GULDEN. Shares with wings subsoil and loosen the top soil very well.
- Hardness is more than 88 HRC.

Protected frame

Shear bolt is applied for protection against exceeding loads, excluding the possible damage to frame.

FRANC-3sp is equipped with mechanical combined compression spring and separation bolt to prevent damage of frame.

Advantages of the straight tine

Subsoiler's tines penetrate into the soil at right angle, move the plough-pan, breake it with additional wings, cut weed roots.

Such tines requier lower draft (compared to "paraplau" tines). They are applied for suboiling both lower lsoil and top soil during min-tillage.

Simple depth adjustment

Depth can be simply adjusted by means of the pins, which limit the displacement of the roller frame parallelogram mounting.

Adjustments of the working depth for the first and second rows are independent of each other. The depth is adjusted by pins on the roller mounting parallelogram for the front tines and on the rear tines mounting parallelogram.

Premium class bearing unit

Subsoilers are assembled with superreliable maintenance-free HARP AGRO UNIT bearing units. Application of high-quality German plain bearings prevents wear of the roller adjustment mechanism rotary units.

Balancing mounting of roller

Balancing mounting of the doubled roller provides the constant contact of both rollers with the soil. The central screw allows to adjust the roller relatively to longitudinal plane.

Advantages of self-cleaning roller with spikes

The subsoiler is equipped with doubled crowfoot roller for additional topsoil crushing and leveling of the field surface, and even distribution of crop residues.

Spikes break large clods, thrown on the surface, prepare and level the soil, facilitating further final seedbed preparation. Rotating spikes embed crop residues into the lower layers of soil and mix them with soil at depth of 15-20 cm (5.90'' - 7,87'').

Advantages of subsoiling

After application of the horizontal cultivation implements the soil became compacted, facilitating hard water motion and roots development.

FRANC and GULDEN subsoilers breake the plough-pan and recover the soil, encouraging roots development and free circulation of water and nutrients.

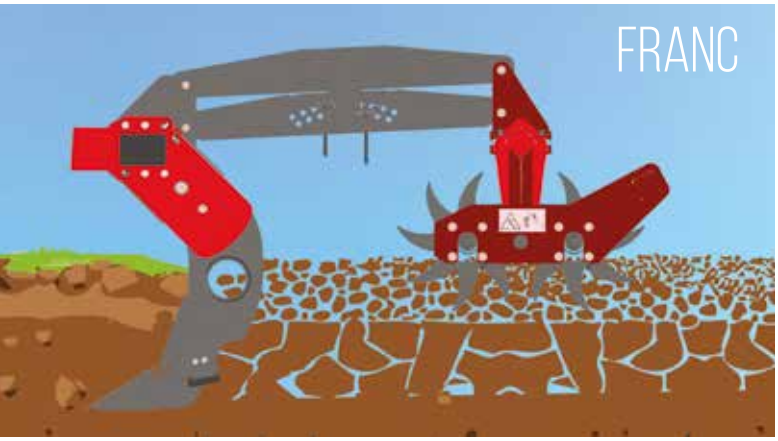
Roller adjustment for choosing the tillage type

Depending on the tillage purposes the rollers can be set for uniform work, as well as only front/rear roller can be accented. For this purpose the roller draught shall be adjusted.

FRANC with the granulated fertilizers deep application system

Optionally, the subsoiler can be equipped with the fertilizers deep application system. This system enables application of granulated fertilizers during soil tillage. Depth of application can be changed (150 mm or 250 mm (5.90'' - 9,84'')).

Available two types of the application mechanism drive: mechanical - from drive wheel, or electrical - from electric drive.



The implements perform chisel tillage, leaving on the surface 30-60% of crop residues, which solves the problem of soil erosion, maintaining the organic composition of the soil and ensuring its long-term fertility

TECHNICAL DATA

	FRANC-2,5	FRANC-3	NEW FRANC-3sp	GULDEN
Working width, m; ft	2,5/8'	3/9'	3/9'	4/13'
Tractor power, hp	min 160	min 240	min 270	min 350
Coupling with tractor	mounted		mounted	mounted
Basic weight, kg; lbs	1355/2.987	1650/3.637	2302/5.075	2522/5.560 2892/6.375
Number of discs	5	7	7	front row - 7; rear row - 6
Operating depth, cm; inch	min 45 /18''		min 45/18''	front row up to 45 cm/18''; rear row up to 25 cm/10''
Operating speed, km/h; mph	8...12 /5-7.5		8...12 /5-7.5	8...12 /5-7.5
Efficiency, ha/h; acre/h	max 2,23 /5.5	max 2,88 /6.6	max 2,88/6.6	max 3,58 /8.8
Fuel consumption, l/ha; gal/ac	10...18 /1.1-1.9		10...18/1.1-1.9	10...18/1.1-1.9
Fertilizers application norm, kg/ha	30...500	30...500	30...500	—
Fertilizers application depth, cm	25	25	15/25	—
Total volume of tanks for fertilizers, l	500	750	750	—
Transport dimensions (length x width x height), mm	2860x2479x1885	2940x3000x1950	3330x3000x1950	4344x4054x2053