JSC “Kharkov Tractor Plant named after S. Ordzhonikidze”

KHARKOV TRACTOR PLANT (XTZ)

- Kharkov Tractor Plant (XTZ) has been and still is the only enterprise in Post-Soviet space which produce serially wheeled and tracked techniques at the same time.
- There are 3300 people work in Kharkov Tractor Plant. The Plant's square is 143 ha. XTZ manufacture unites about 300 enterprises and organizations. Staff number is about 90 thousand people which are involved into manufacturing cycle of XTZ tractors production.
- XTZ dealer network accounts more than 120 companies.
- Nowadays the tractors of XTZ brand are famous all over the world, have proven themselves and are in demand not only in Ukraine, Kazakhstan and Russia but in external market such as Asia, America, Africa, Europe.

XTZ MANUFACTURING AREA

Auxiliary manufacture:

Mechanical processing Shop #1
Mechanical processing Shop #2
Thermic Shop
Pressing and Welding Shop
Test Experimental Shop
Tool Shop
Pattern Shop
Transport Shop
Railway Shop
Electric Power Shop
Energy Shop
Non-standard equipment Shop
Accessories and Shipping Shop

Main manufacture:

Iron Foundry Shop
Steel Casting Shop
Forging Shop
Mechanical Assembly Shop
Assembly Shop (main conveyor)

Main manufacture

Iron Foundry Shop:

Activity direction: Casing iron-cast mouldings production such as gearbox casing, reduction gear casing of capacity pick shaft, transfer box casing etc.

Steel Casting Shop:

Activity direction:
The foundry for serial manufacture, sided foundry, colored foundry, moulding foundry.

Forging Shop:

Activity direction:
Blacksmithing work of any kind, details forging. Blank producing is maximally closed to finished component configuration. Blank producing from fast cutting steels.
Thermic processing of details. Stamp equipment producing. Blank cutting.

Main manufacture

Assembly Shop:

Activity direction:
tractors line assembling, tractors running and handing over, cab assembling plots, gearboxes, power takeoff shaft.

Mechanical Assembly Shop:

Activity direction:
details mechanical processing, electroplating, painting, assembling such as traction hook, clutch casing, bushings, shafts, pinions.
The Shop produces the products of serial and special manufacture.

Current model row of tractors:

Of general destination

XTZ-150K-09-25

XTZ -17221;
XTZ -17021;
XTZ -17221-19;
XTZ -17221-21

XTZ -17221-09

Tillable ones

XTZ-16131-03
XTZ -16131-05

Tracked ones

T-150-05-09-25

XTZ -181

Compact ones

XTZ -3512

XTZ -2511-20

Loaders

T-156B-09-03

Industrial technique on the basis of XTZ tractors

XTZ -150K-09-15
(mulcher)

KRT-1
(wheel-railed tractor)

BKM-2M
(drilling-crane machine)

T-150-05-09-25

XTZ -150K-09-25-06

UPM-1
(universal track machine)

AS-42
(welding unit)

TS10

XTZ -3512-09

Wheeled tractors of general destination with 3rd-4th traction class: XTZ-150K-09-25, XTZ -17221, XTZ -17021, XTZ -17221-09, XTZ -17221-19, XTZ -17221-21

Engine:

•YaMZ-236 (180 hp)	- Russia
•Speed (forward/back), km/h	- 30/9
•Traction effort, kg power	- 3000-6000

Engine:

•YaMZ-236 (180 hp)	- Russia
•YaMZ-238 (240 hp)	- Russia
•DEUTZ (180 hp)	- Germany
•D-260 (210 hp)	- Belarus
•Speed (fw/back), km/h	- 40/29
•Traction effort, kg power	- 3000-6000

- Execution of energy-intensive agricultural works concerning the soil main processing.
- Crops and technical cultures seeding with high-grow sowing complexes.
- Transport operations with trailers and half-trailers of 20 tons loading capacity.
- The fertilizing, fodder preparation.

Applying in operations

Stubbling

Disking

Plowing

Direct seeding

Seeding

All-over cultivation

Seeding

Fodder preparation

Fodder preparation

Wheeled tillable tractors of 3rd traction class XTZ -16131-03 and XTZ -16131-05

- Execution of energy-intensive agricultural operations of general destination.
- Cultivation and harvesting of tilled crops.
- Combination of two and more operations concerning the cultivation and harvesting of agricultural crops.

Engine:

DEUTZ (180 hp)	- Germany
D-260 (180 hp)	- Belarus
Speed (fw/back), km/h	- 29/9
Traction effort, kg power	- 3000-6000

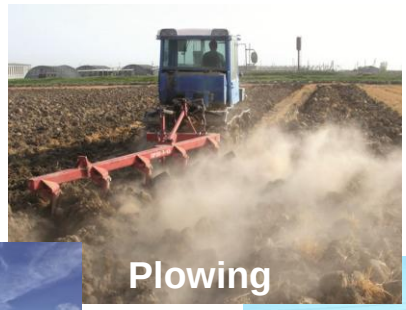
Crawler tractors of 4th and 5th traction classes T-150-05-09-25 and XTZ -181

- Execution of energy-intensive agricultural operations concerning soil processing.
- The plowing of average and heavy soils, early spring mulching.
- Disking, seeding, watering, harvesting.
- Fodder preparation and transport operations in off roads conditions.

Engine:
YaMZ-236 (180 hp) - Russia
Speed (fw/back), km/h -15/8
Traction effort, kg power - 3000-6000

Engine :
YaMZ-238 (190 hp) - Russia
Speed (fw/back), km/h - 15/8
Traction effort, kg power - 4000-6000

Deep tillage


Plowing

Plowing

Direct seeding

Seeding

Deep cultivation

Tractors of low power with 0,6 traction class XTZ -2511-20 and XTZ -3512

- Mechanization of energy-intensive operations in agriculture, communal services, forestry and industrial manufacture.
- Transporting of different loads in trailers and half-trailers with loading capacity till 2 tones.

Engine:

D-120 (27 hp)	- Russia
MMZ-3LD (35 hp)	- Belarus
Speed (fw/back), km/h	- 30/30
Traction effort, tone powers	- 0,6

Plowing

Cultivation

Harrowing

Crops seeding

Potatoes planting

Fodder preparation

Frontal loaders
T-156B-09-03

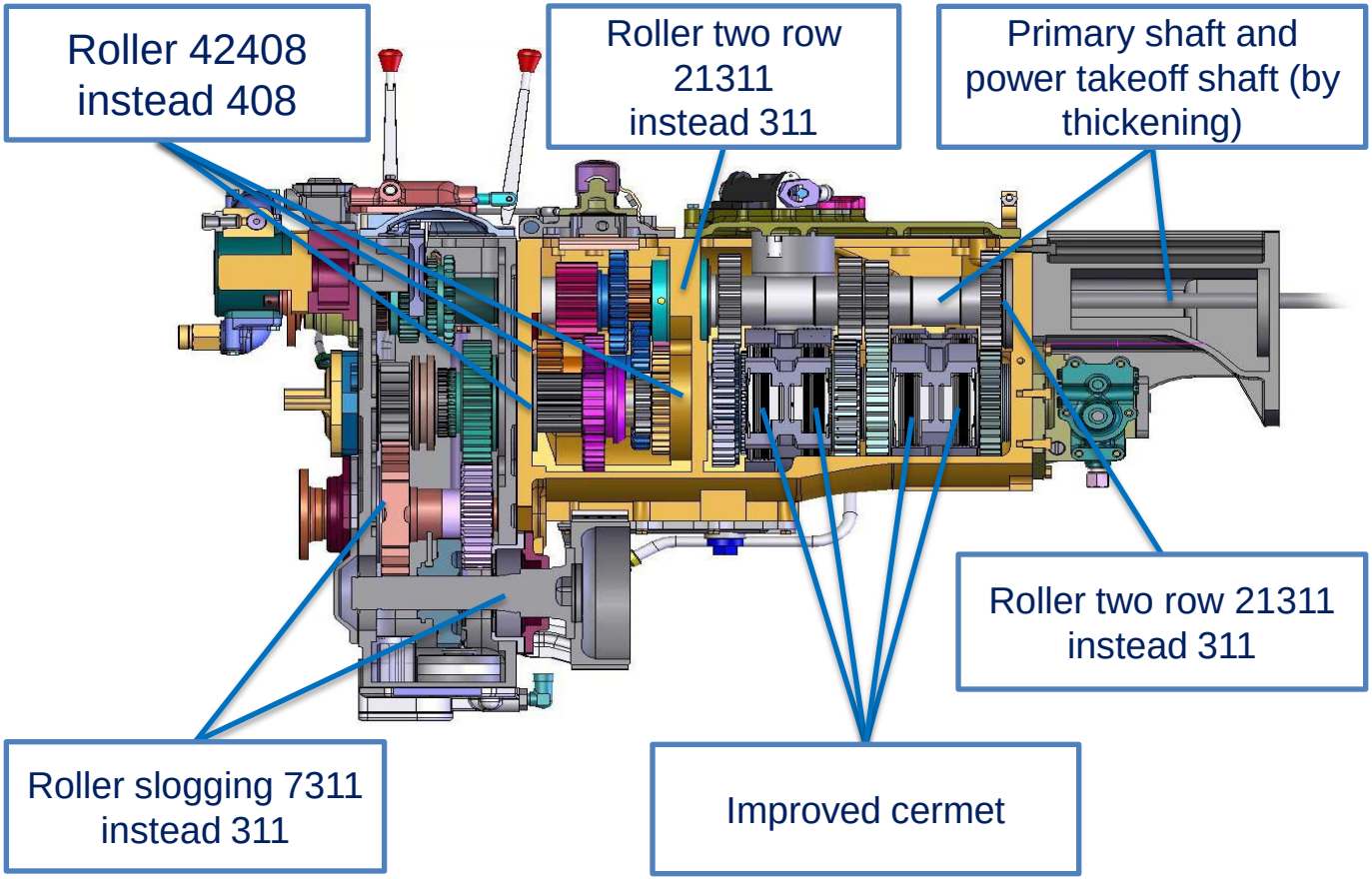
- Lifting, transportation, loading and discharging of loose and small chunks materials.
- Execution of earth-digging and road-construction operations.

Engine:

YaMZ-236 (180 hp)	- Russia
Speed (fw/back), km/h	- 35/16
Loading capacity, tones	- 3

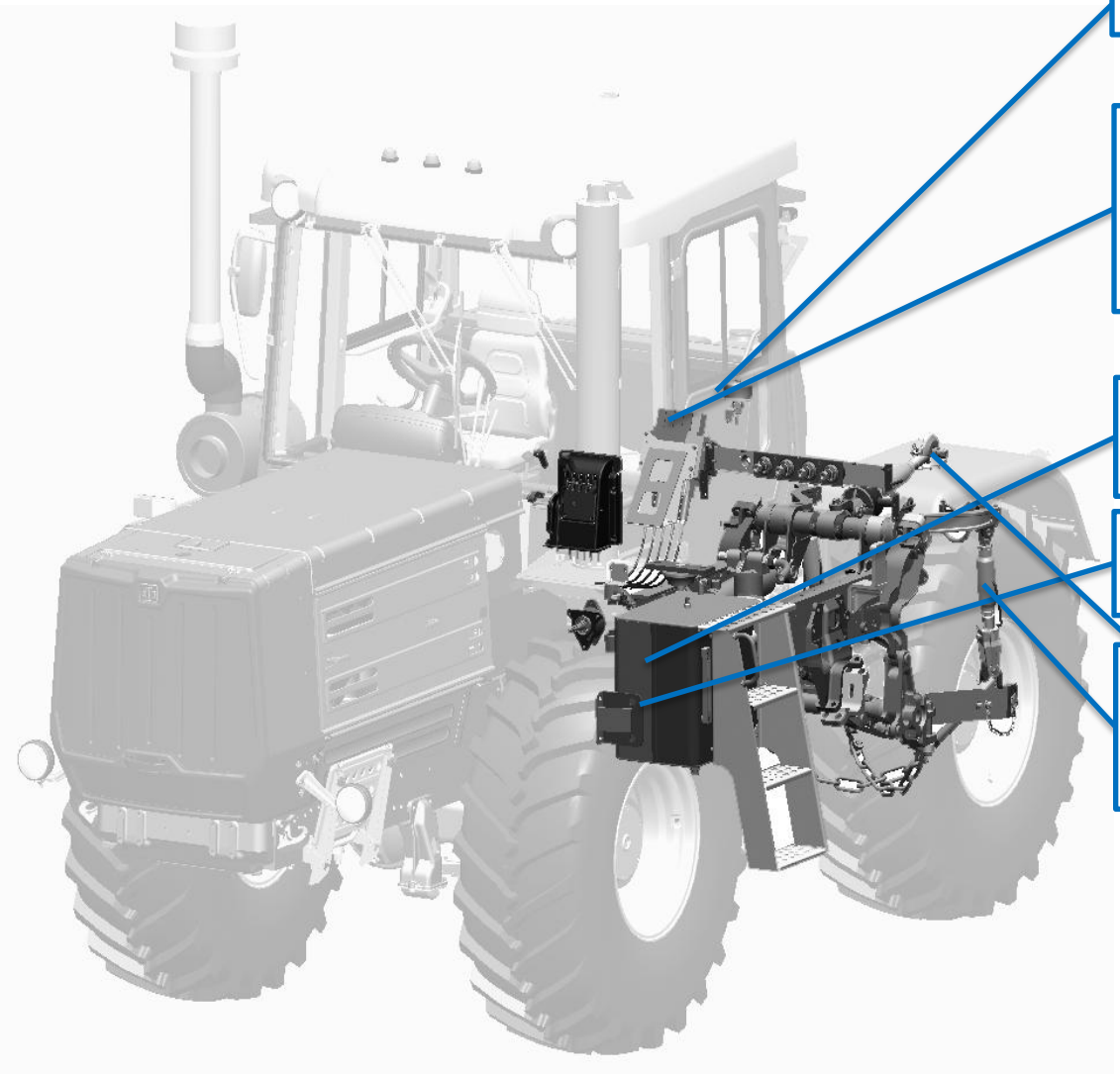
XTZ tractors updating

Modernized gearbox



- Number of transmissions of ahead going is increased to 16 (instead of 12);
- Transport speed of the tractor is increased to 40 km/h;
- Gearbox realization of engine with 250 horse power capacity, instead of 210 hp before modernization;
- Guaranteed term of the service is increased to 1500 engine hours (instead of 1000 engine hours);
- Stock coefficient of hydraulic pressing clutches is strenghtened in 1,5 times.

Hydraulic and hinged systems



New breather

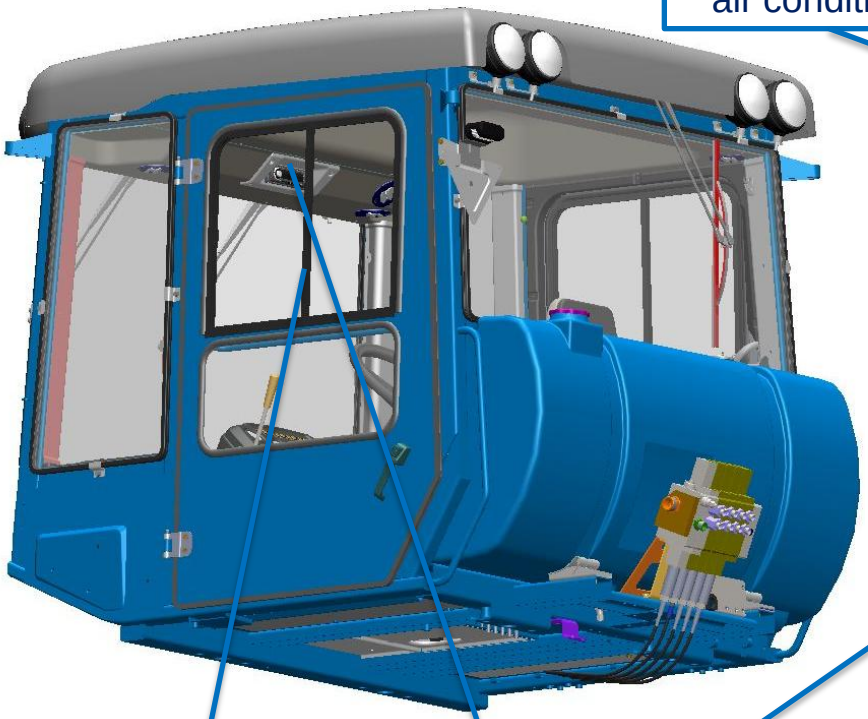
New 5-section hydro spreader with hawser driving
Adjustable independent sections
Two lines of LS–system

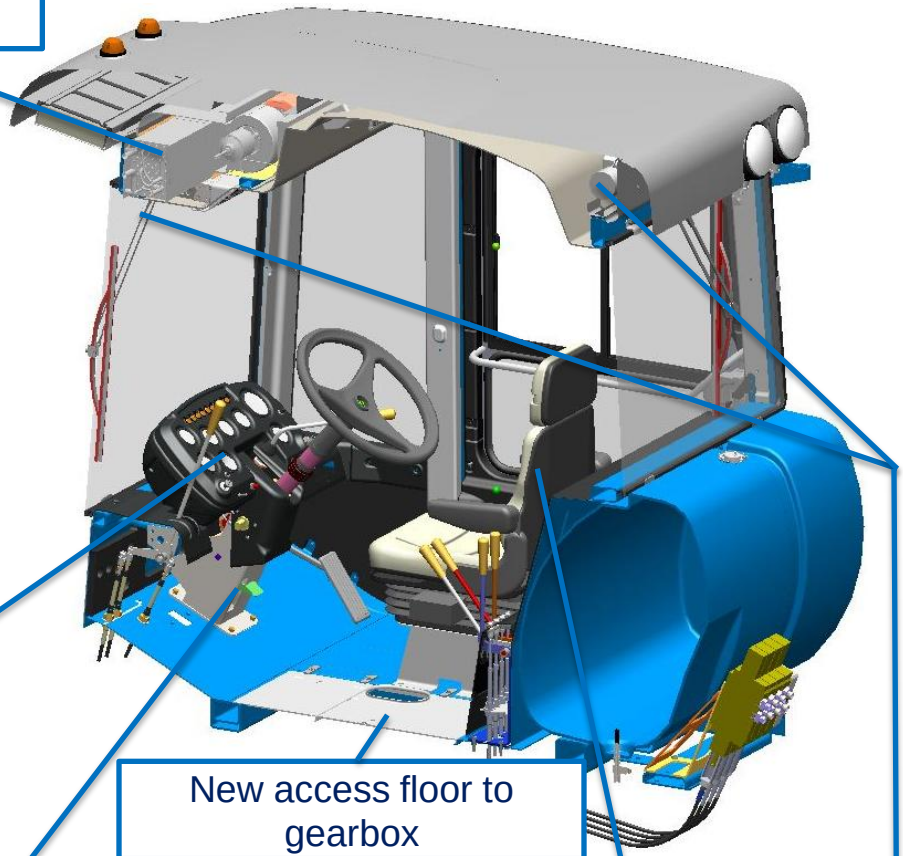
New gear pump Bondioli & Pavesi with 100 l/min of productivity

Combined, increased hydrotank with 90 l of volume

Strengthened central traction and sloping strut (pipe 76x12)
M42mm carvings are applied

New modernized cabin





New
air conditioner

New sliding
window leaves

New panel of devices

New access floor to
gearbox

Place for
audio system

Stepped adjustable
steering column

New adjustable seat

New windshield wipers

Kharkov
Tractor
Plant

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