

**Resumption of production of the planetary knife drive
mechanism (MPPN)
LLC Concern "Inmash"**

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Brief information about the company

LLC Concern "Inmash" is a dynamically developing enterprise of the Republic of Bashkortostan in the field of metalworking and mechanical engineering, revived at the production base of the former Plant of High-Precision Machine Tools (VTS) in Sterlitamak since 1983. LLC Concern "Inmash" has a certificate of production in the territory of the Russian Federation, localized Russian production, which supports the initiative of the government of the Russian Federation to improve import substitution.

The quality management system covers the development, production and repair of products in accordance with the EKPS classes 1680, 2520, 2410, 2510, 2530, 3460, 3710, 3720, 3825, 3830, 4320, 5420 and meets the requirements of GOST RV 0015-002-2012 and GOST R ISO 9001-2015.

Products:

- ball screw gears (SHVP);
- sliding screw nut (VGS);
- mobile drilling rig UBP - 30;
- knife planetary drive mechanism (MPPN);
- steering mechanism (MRU);
- steel tanks and reservoirs,
- horizontal and vertical equipment for oil companies (racks, work platforms, drilling bases, etc.)
- mast structure

Services:

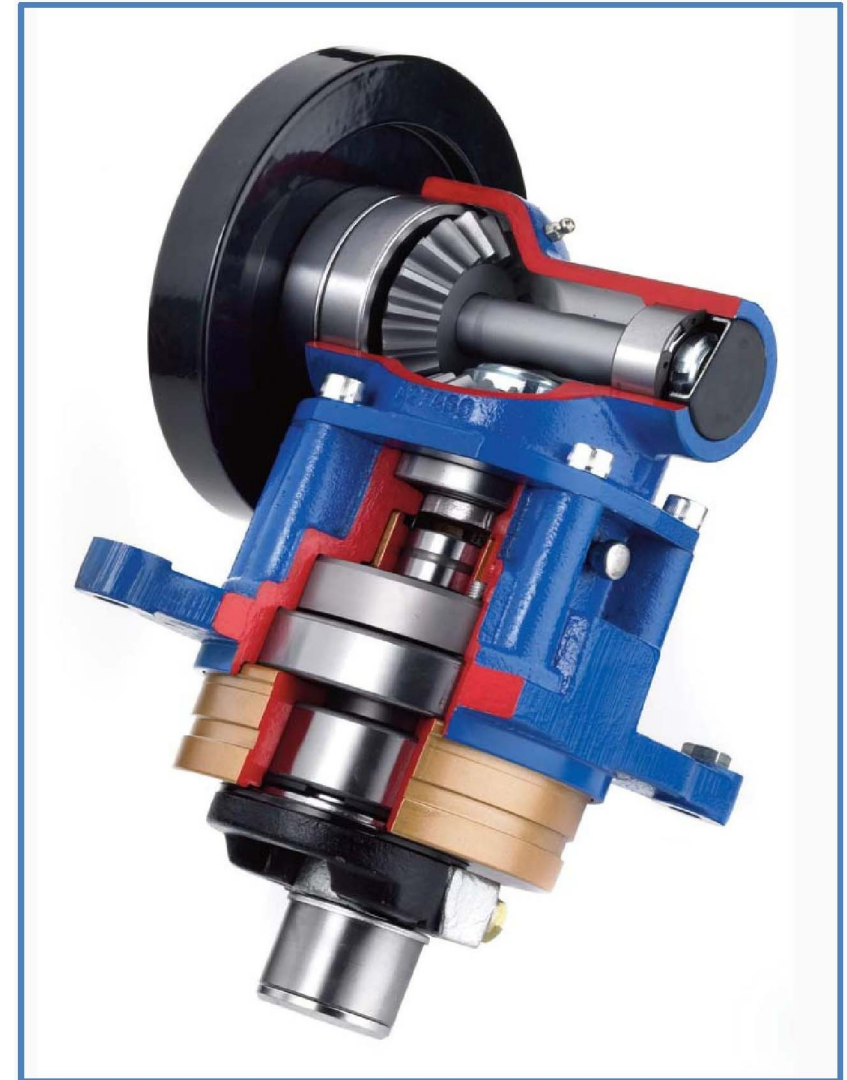
- modernization, overhaul and current repair of machine tools (machine tool repair production);
- services for the production of metal structures of various
- difficulties (welding and assembly production);
- mechanical, heat treatment and gas-plasma cutting services;
- services for the automation and digitalization of production ("Inmash - Pro" suite).

Knife planetary drive mechanism

LLC Concern "Inmash" plans to resume production of planetary knife drive mechanisms (hereinafter referred to as MPPN) to provide domestic components for repair and production of reapers and combines.

The corresponding unit was developed and then modernized by the design service of the enterprise for installation on combines and reapers, and is not inferior in technical characteristics to imported analogs.

The development was carried out jointly with one of the largest manufacturers of agricultural machinery in the CIS - the company "Gomselmash".



To resume the production of MPPN

To confirm the economic feasibility of the enterprise, the corresponding marketing research has begun. In order to resume the production of MPPN in the Republic of Bashkortostan, please provide assistance in the following:

- to clarify the scopes of consumption in the Russian Federation of MPPN as components/spare parts, etc. by enterprises for the production and repair of agricultural machinery, agricultural enterprises, MTS;
- to clarify the types of MPPT and technical specifications for production in the context of consumers;
- to include the project in the existing support programs for small business, agro-industrial complex and mechanical engineering, including support for buyers of MPPT.



MPPN-2.00.000-04

Installed on agricultural machinery produced by PO "Gomselmash"

(Note: the distance from the end of the body groove to the middle of the leash is 101 mm, no, the distance from the body axis to the end of the drive shaft is 130 mm, the technical condition is agreed only for 50 pieces.)

Rated rpm of the drive shaft, rpm	650±50
Leader nominal stroke rate, double stroke/min	585
Maximum effort on a leash, kN (kgf)	6.5(650)
Leash stroke, mm	85
Weight, max, kg	40
Overall dimensions (without pulley), mm	225x252x354 (398)

MPPN-2.00.000-05

Installed on agricultural machinery manufactured by JSC PO "Krasnoyarsk Combine Plant"

(Note: the distance from the end of the body groove to the middle of the leash is 89 mm, the pulley is diam. 230, the distance from the body axis to the end of the drive shaft is 126 mm, the technical condition is not agreed).

Rated rpm of the drive shaft, rpm	650±50
Leader nominal stroke rate, double stroke/min	585
Maximum effort on a leash, kN (kgf)	6.5(650)
Leash stroke, mm	85
Weight, max, kg	40
Overall dimensions (without pulley), mm	221x252x335 (379)

MPPN-2.00.000-06

Installed on agricultural machinery produced by OJSC "Rostselmash"

(Note: the distance from the end of the body groove to the middle of the leash is 101 mm, the pulley is diam. 240, the distance from the body axis to the end of the drive shaft is 130 mm, the technical condition is not agreed).

Rated rpm of the drive shaft, rpm	650±50
Leader nominal stroke rate, double stroke/min	585
Maximum effort on a leash, kN (kgf)	6.5(650)
Leash stroke, mm	85
Weight, max, kg	40
Overall dimensions (without pulley), mm	225x252x354 (398)