

QUALITY & TRADITION



ENwww.vari.cz/en

ABOUT VARI







Dear customers and Vari brand fans.

Welcome to the season 2012 with a new VARI catalogue. This part contains modular systems – VARI minitractors. We keep faith in our idea of easy-to-use machines and again we extend possibilities how to combine all modular functions, which Vari system offers, with no need of assembly tools at all.

We proudly present a major innovation of the bigger gear-box DSK-317/S this year. The "axial pin" was replaced with a very durable and comfortable solution enabling to change the wheels for a rotary tiller within a minute. The long half-axles and two cotters allow a toolless switch of minitractor into the rotary tiller right on the field. The upgraded gear-box is completely waterproof thanks to a unique system of oil seals, which is being used for the first time in this cate-gory. There is a big change in driving units as well. Powerful low consumption HONDA engines have a weight-optimised flange, new handlebar with the possibility of set up from the operator's position and superb integrated anti-vibration system.

The long expected new product is an aerator and scarifier for the owners of Terra-Vari engines and a potato planter for devoted growers.

More and more people are returning to native-grown crops, more and more people are breeding domestic animals, more and more people are burning firewood. That's where VARI is an essential helper, which you can completely rely on. We do our best to keep VARI as a traditional reliable Czech brand, which will always take care of you and your machines. The long tradition of production and superior quality are our top priorities.

Tomas Belinger, M.B.A. business director – VARI, a.s.

WHY VARI

- VARI uses a genius concept just one engine for several different adapters. Both powerful and ecological HONDA engines are easy to start even for women and its consumption is only 0,8 litre per hour.
- The advanced three-arm automatic clutch saves the engine. Unlike "the belt cultivators" with their typical pluck when you try to drive off, the start of the machine with our clutch is completely smooth. And above all you don't have to hold the lever all the time.
- You don't have to switch the belts to change the gear and you don't have to set up the implements in VARI minitractor. You can just plug in the engine and fix it with a pair of clamps to either a small gearbox with an active equipment drive or a heavy plough gearbox with a four-speed direct transmition.
- The main gearbox of the VARI minitractor, whose gears work in the oil bath, is 3-speed with reverse. The first gear is very powerful and is meant for ploughing. The second one is for the rotary tiller or it can drag the trailer up the hill. The third one drives the tractor up to 13,5 km/h. You can drive even hundreds meters up the hill with the reverse. The friction reverse of belt-driven cultivators is usable only for emergency pluck back; you can't use it for a longer ride! Our minitractors have 12" wheels mounted on a drive axle, with freewheel hub and a three-position differential lock.
- The gearbox with active equipment drive is very easy to manipulate with due to a small weight and arrow-shaped tyres with a wide wheel track. You will always appreciate genius construction of VARI machines during cutting skew areas, ditches or under the trees. Competition cultivators are usually too big to operate under the trees or they are flipping over in the ditches.
- "Technical gifted" customers could be interested in hypoid gears, forged blades made of the high-quality steel, four sturdy cutting blades, trailer sprung seat and other "tweaks". Everybody should appreciate outstanding durability and how user-friendly VARI machines are.











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MINITRACTORS





DETAILS OF THE MINITRACTORS





CROSS SECTION OF THE DSK-317 AND DSK-316 GEARBOXES

The main production line in VARI, a. s. is the traditional product – universal multifunctional machine – a minitractor. The VARI minitractor allows you to do variety of so different tasks such as soil cultivation (ploughing, loosening, planting potatoes, etc.), cutting high-grown grass or cleaning snow.

No other universal machine in class 4 – 6 HP can satisfy such contradictory customers' demands. Thanks to more than 40 years of experience, VARI uses the concept of one driving unit and two gearboxes. This brings a practical solution to meet our customers' demands. It handles hard work on the field, in the garden, in the greenhouse or in professional area in municipal services helping to maintain up to medium-sized areas.

The VARI minitractors are amazing because there is a need of only one engine – the HONDA driving unit with a centrifugal clutch for all tasks! It powers all accessories and two gearboxes: the DSK-316 with the active equipment drive to connect drum mower, cylindrical brush, snow thrower etc. and the DSK-317 for soil cultivation. These two gearboxes are essential, because grass cutting requires lightweight machine and soil cultivation strong and heavy one – there is no compromise here.

Our gearboxes DSK-316 and DSK-317 have a big advantage compared to the belt-driven cultivators – easy engine and accessories plug-in system. For example if you need a potato planter instead of drum mower, you just have to unplug the engine from the DSK-316 gearbox and fix it to the DSK-317 gearbox with a pair of clamps in a few seconds. You don't have to complicatedly set up any belts. The machine is ready to work really quickly.

Check out our complete offer of minitractors and get some inspiration which machine would you like to have assembled by one of our professional dealers.



MODULAR SYSTEM

VARI MODULAR SYSTEM
IS AMAZING!
I CAN ASSEMBLE ANY MACHINE I
NEED JUST WITHIN A MINUTE

plugging the engine to the story gearbox gives me sturdy minitractor



driving unit weight is only 20 hg engine connected in 10 seconds l just assemble handy, light machine whenever I need to a cut the grass, doesn't matter if under the trees or in the ditch

I just plug the drum mower, brush or snow thrower into the active drive and I don't have to set it up

GLOBAL MINITRACTORS

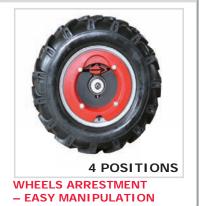




DETAILS OF THE GLOBAL MINITRACTORS







VARI GLOBAL minitractor with the gearbox DSK-317.1/S is meant for heavy duties as a soil cultivation, rotary tilling or transport of a cargo. You can connect one way plough or swing one, potato digger, cultivator, smoothing harrow, spike tooth harrow, cultivator with roller, potato hiller, dozer blade, potato planter or tipping trailer. It becomes a professional rotary tiller with working widths from 60 to 125 cm just by changing the drive axle for a rotary tiller (fixed just by a pair of pins). You can choose the rotary tiller blades depending on your soil type. Connecting other accessories is enabled by the hitch Z-01, hitch with weight carrier BZN-002 and adjusting element NT-3.

The driving unit engines HONDA GCV 160, GCV 190 or GSV 190 power the gearbox. The engines have a security switch which can stop the machine in case of emergency and an automatic centrifugal clutch that grants minitractor fluent drive off. Essential improvements are weight-optimised flange and integrated anti vibration system.

Bottom part of the innovated gearbox DSK-317.1/S is completely waterproof thanks to the unique system of oil seals. These are used for the first time in the minitractor category. The gearbox is 3-speed with reverse and has hypoid gears working in the oil bath. Shifting by the gear change lever is very simple unlike the complicated set up of belt cultivators. The first gear is meant to plough, to cultivate soil before potato planting or to drag the heavy load up the hill. The second one drives the trailer full of logs from the wood or ploughs snow with a dozer blade. As well as cultivates soil with the rotary tiller. The third gear quickly drives the minitractor on the roads. There is a smart helper - arrestment of the gears. If you plug arrestment bar in (in neutral - 0 position) you can shift only the first gear and reverse. It makes the handling of the minitractor easier and simpler, e.g. when you are ploughing.



GLOBAL MINITRACTORS



GLOBAL DRIVING UNIT





POWERED by HONDA

HORIZONTAL AND VERTICAL SETUP OF THE HANDLEBAR

DETAIL OF GLOBAL DRIVING UNIT



THREE-ARM CLUTCH



SUSPENSION ELIMINATES VIBRATIONS

DETAIL OF GLOBAL DRIVING UNIT



WEIGHT OPTIMISED FLANGE + ARRESTMENT OF THE CLAMP

- low weight just 20 kg
- new flange with anti vibration system of connecting handlebars
- vibration decrease of 20 %
- handlebar horizontal and vertical set up from the operator's position
- compact design
- outstanding ergonomics
- automatic centrifugal clutch
- three engine types
 HONDA GCV 160
 HONDA GCV 190

HONDA GSV 190 semi-professional engine



NEW GLOBAL DRIVE AXLE



ARRESTMENT OF A WHEEL OF THE DRIVE AXLE (RIGHT WHEEL)

we set it up to go forward





POSITION FORWARD/BACKWARDS

ARRESTMENT OF A WHEEL OF THE DRIVE AXLE (RIGHT WHEEL)

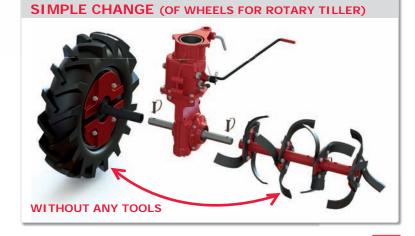
we set it up during ploughing etc





POSITION TO THE CENTRE/ON THE CAST

- new 12" wheels with arrow shaped tyres
- new tyre tread for better adhesion
- easy swapping of the wheels for a rotary tiller by pulling out safety pin
- improved control of the wheel arrestment
- weight of fully fitted gearbox is 95 kg
- possibility of using ploughing girdles
- possibility of upgrade to ploughing wheels





GLOBAL LOOSENING DEVICE

EASY MOUNTING OF GLOBAL LOOSENING DEVICE



THANKS TO HALF-AXLES AND ARRESTMENT PIN

TYPES OF LOOSENING DEVICES GLOBAL KUK



KUK-96

KUK-125

TYPES OF LOOSENING DEVICES GLOBAL KUR



KUR-112



The original forged VARI blades are produced in two versions – with the lance blades (KUK – for heavy soils) and the angular blades (KUR – for light loam soils).

Changing the drive axle for a soil loosening device is a brand new system of half axles secured by pins, so you can do it completely without tools – there is no more "the long axle pin".

KUK-96 - KUK-125

- forged VARI blades width 40 mm
- you can decrease the width of KUK-96 from 96 cm to 83 cm by turning the spikes inside
- KUK-125 has working width of 125 cm

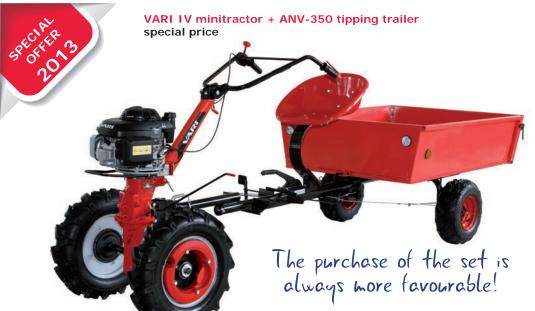
KUR-70 - KUR-112

- forged VARI blades width 40 mm
- you can decrease the width of KUR-70 from 70 cm to 60 cm by turning the spikes inside
- KUR-112 has working width of 112 cm



KUR-70

SAMPLES OF SETS OF DSK-317





product No.

4216



product No.

4253



product No.

4419

THERE IS A WIDE RANGE OF VARI
PRODUCTS, EVERYBODY CAN CHOOSE

VARI IV minitractor + DSK-316.1PSVN

with HONDA GCV 160 engine special price

VARI IV rotary tiller

with HONDA GCV 160 engine and loosening device AKY-358 (width 80 cm) special price





GLOBAL / DSK-317 ACCESSORIES





ANV-350 tipping trailer

load capacity up to 350 kg reflecting glasses, sprung ergonomic seat, wide bantam wheels product No. 4213





BZN-002 hitch with weight carrier

product No. 4269



APH-352 swing plough working width / depth: 18 cm product No. 3611



AVR-453 digging share working depth: 12 cm product No. 3618



NT-3 adjusting element for connection and adjustment of VARI passive implements product No. 3711



APJ-018 one way plough

working width / depth: 18 cm product No. 3612 (R), 3635 (L)



AVB-400 digging share working depth: 12 cm product No. 3664



Two SV-1 potato hillers with NM1-001 carrier product No. 2x3609 + 3608

SV-1 potato hiller product No. 3609

GLOBAL / DSK-317 ACCESSORIES



K-720 cultivator with roller

working width: 70 cm product No. 3770



S-1000 smoothing harrow

working width: 100 cm product No. 3671



Passive hoe

for NM1-001 carrier (2 hoes side by side) or to share holder N-3 product No. 3769



Spike-tooth harrow

ABR-354 – two-row BH-138 – three-row working width: 50-90 cm

90-138 cm product No. 3613, 3614



AKY-356 cultivator

working width: 70 cm product No. 3616



ASR-850 dozer blade

working width: 85 cm product No. 3808



PT-1000 scarifier

11 star-shaped blades with 121 spikes and transport wheels product No. 4398





SB-40 potato planter

automatic single-row cup type potato planter mounted to the front holder with bin holding up to 20 kg wheel gauge 61 cm

wheel gauge 61 cm product No. 4363





VT-1000 roller

working width: 100 cm roller diameter: 32 cm weight: 49/130 kg simple filling with water

sprung seat product No. 4396







ASR-1000 dozer blade + adjustable holder and lifting lever

working width: 100 cm spring suspension, rubber edge product No. 4328

GLOBAL ACCESSORIES





PJGCV160 driving unit product No. (HONDA GCV 160) 4369

PJGCV190 driving unit product No. (HONDA GCV 190) 4370

PJGCV190 driving unit product No. (HONDA GSV 190) 4371



DSK-317.1/S gearbox product No. 4224



KUK-96 loosening device working width: 83/96 cm product No. 4375

KUK-125 loosening device 125 cm 4376



product No. 4381





for light soils **KUR-70 loosening device KUR-112 loosening device** working width: 60/70 cm 112 cm product No. 4377 4378



TO OWNERS OF TERRA AND VARI

TO ATTENTION OF OWNERS OF TERRA-VARI MACHI-NES PRODUCED BEFORE 2012

We intend to keep producing the accessories for original minitractors TERRA and VARI (gearboxes T-20 and DSK-317) that use the axle pin in the drive axle or in the soil loosening device. Compatibility will remain.

We will continue to produce the original gearbox DSK-317 for two-stroke engines.

New components (e.g. forged lance blades, new wheels etc.) will be mounted from 2012 to the original series as well.

You can order new components separately, so we should be able to satisfy any individual demand for upgrade of older TERRA and VARI machines.







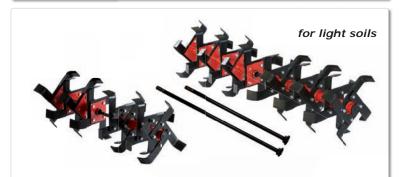






AKY-357/95 loosening device working width: 95 cm product No. 4366

AKY-357 loosening device working width: 52 - 110 cm product No. 3718



AKY-358/80 loosening device working width: 80 cm product No. 3746

AKY-358 loosening device working width: 25 - 115 cm product No. 3717

DSK-316 MINITRACTORS



DETAILS OF DSK-316 MINITRACTORS







DRIVE LEVER

The minitractor with DSK-316 gearbox is small, but very efficient machine, which is suitable to use during all seasons. The gearbox has active implement drive which allows you to connect many different tools for cutting high grass, mulching, hay tedding and raking, cleaning the leaves or snow from the sidewalk or throwing the snow away.

HONDA driving units PJGCV160 and PJGCV190 are equipped with a security switch that can stop the whole machine when needed. The power is transmitted to the gearbox by a centrifugal clutch thus the drive-off is very smooth. The worm gears of DSK-316 work in the oil bath.

All accessories are just mounted to the active drive and secured by a retaining pin. Their swapping is very fast and easy. You don't have to set up belts in a complicated way. Do you need to change a drum mower for a brush? Just pull out the retaining pin, remove the drum mower from the shaft, plug the cylindrical brush in it, secure the pin and the machine is ready to work within a minute.

DSK-316 gearbox has gone through a long process of development and technical changes into today's version. It has air filled arrow shaped tyres with the possibility to put on the snow chains for better adhesion, wide wheel gauge, active drive with power-off lever allowing a secure transport of the machine and hypoid gears, which eliminate the power loss from the engine to the active drive shaft. The gearbox is produced in two versions: with one gear forward or with one gear forward and reverse.

The minitractor with DSK-316 is suitable not only for gardeners, but for companies and communal services, which need to maintain premises, sidewalks and roads as well. VARI is an affordable communal system.



DSK-316 MINITRACTORS



changing implements from the mower to snow thrower or anything else takes just a minute and above all is completely toolless!



DSK-316 ACCESSORIES

- independent levers of active drive and wheels
- quick and easy adapter changing
- hypoid gears
- snow chains possibility



DSK-316.1PSVN gearbox one gear forward product No. 4262



DSK-316.1PSZ gearbox

one gear forward + reverse product No. 4275



Innovated brushes (since 2011) have bristles in spirals, bigger diameter of 370 mm, better dynamics of sweeping and full compatibility with the previous version.



KV-100/Z sweeping brush working width: 100 cm product No. 4031



KV-100 sweeping brush sprinkling and collecting working width: 100 cm product No. 3600



for all DSK-316 gearboxes without own hitch product No. 4335

AV-650 two-wheel seat

foot brake, sprung seat product No. 4217



SAMSON-56D brush cutter working width: 56 cm product No. 4144



LSE-120 bar mower working width: 117 cm product No. 4309



ASR-850 dozer blade working width: 85 cm product No. 3808



consists of frame (product No. 3653) and loading area (product No. 3654)



TAJFUN-52 mulcher working width: 52 cm product No. 4150



OP-1.1/1.2 hay tedder working width: 100 cm/120 cm product No. 3620A/3621A



Snow chains

for DSK-316.1PSVN a DSK-316.1PSZ (only for models from 2009 further) with wide gauge and tyres 13x5.00-6 product No. 4330

SAMPLES OF SETS OF DSK-316

The purchase of the set is always more favourable!

THERE IS A WIDE RANGE OF VARI PRODUCTS, EVERYBODY CAN 6.1PSVN CHOOSE

Gearbox DSK-316.1PSVN + TAJFUN-52

special price



Sweeping brush HONDA GCV 160

+ DSK-316.1PSVN

+ KV-100/Z special price

product No.





Brush cutter HONDA GCV 160 + DSK-316.1PSVN + SAMSON-56D special price

product No.

4304



product No.

4280



+ DSK-316.1PSVN

+ SF-55

special price

product No.

4285





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Section PRODUCTS/VARI MINITRACTORS/DSK-316 MINITRACTORS





EQUIPMENT CONNECTED DIRECTLY
TO THE TERRA-VARI DRIVING UNITS

ROTARY HOE RPT-2/S

DETAILS OF ROTARY HOE RP-T2/S





NEW TILLING BLADES

WORKSPACE











product No.

4347

*more details on www.vari.cz/en

SET FOR CONVERSION

from rotary hoe RP-T2 to aerator PP-60

product No. 4394



- fine surface tilling and weeds elimination between the rows of grown plants
- 2 adjustable covers give 2x2 working widths of 16, 22, 32 and 38 cm
- for two-stroke and four-stroke driving units TERRA-VARI
- possibility of rebuilding to aerator/scarifier PP-60 with conversion set (product No. 4394)







EQUIPMENT CONNECTED DIRECTLY
TO THE TERRA-VARI DRIVING UNITS

AERATOR PP-60



2 in AERATOR AND SCARIFIER

- you can easily comb out moss and old grass
- your lawn is quickly cut through
- scarifier helps the grass to create stronger roots
- aerator allows water and nutrients to permeate into the lawn
- for owners of both Terra and VARI driving units
- easy change from aerator to scarifier
- simple control and manipulation



DETAILS OF AERATOR PP-60





SCARIFIER

BRAKING PAD











product No.

4379

*more details on www.vari.cz/en







EQUIPMENT CONNECTED DIRECTLY
TO THE TERRA-VARI DRIVING UNITS

BDR-650V DRUM MOWER

DETAILS OF BDR-650V DRUM MOWER







POSITIONS FOR TWO-STROKE AND FOUR-STROKE ENGINES











4399

*more details on www.vari.cz/en

- drum mower for hillsides and large meadows
- thanks to the solid, sturdy wheel axle, it perfectly keeps the direction when mowing the hillside
- 6" arrow shaped wheels go well through the terrain
- possibility of unlocking the wheel arrestment for easy manipulation
- speeds for two-stroke and four-stroke engine changing by switching the belt without any tools
- sturdy blades cut even the high-density grass
- impact absorbing reinforced disc edge
- side screen for laying the grass into the rows included



DZP-005/S IRRIGATION PUMP



- vertical, centrifugal, single-stage
- water quantity is 100 l/min and suction head is 5 m
- transport wheel for easy handling with the product
- for owners of both Terra and VARI driving units



- the corn crusher easily crushes corn and maize into fine cornflour suitable for feeding farm animals or fish
- transport wheels for easy handling with the product
- for owners of both Terra and VARI driving units



DETAILS OF DZP-005/S IRRIGATION PUMP





80 mm





PUMP

product No.

3919

*more details on www.vari.cz/en

Standard accessories: suction hose and exit hose with a length of 5 m







TRANSPORT WHEELS







product No.

4202

*more details on www.vari.cz/en

Standard accessories:

two sifters with different coarseness

VARI 2300 W





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DETAILS OF VARI 2300 W



STEEL GEARS

SAFETY BRAKE











product No.

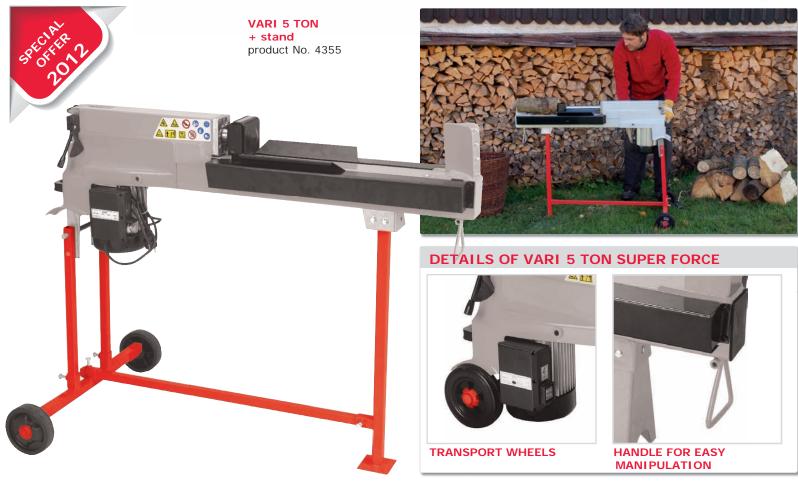
4329

*more details on www.vari.cz/en

- electric chain saw
- strong engine with power of 2300 W
- rundown clutch lets the engine run off
- safety brake
- automatic chain lubrication
- manual chain tension Quick Tension
- tension or change of the chain is simple and toolless
- quality bar and chain made by OREGON
- very good ergonomics
- robust construction



VARI 5 TON SUPER FORCE



- horizontal hydraulic splitter
- splitting force of 5 tons
- suitable for logs up to 52 cm long and 25 cm diameter
- 1500 W single-phase electric engine
- solid stable metal body
- both-handed control eliminates possibility of injury
- two transport wheels and handle for easy manipulation
- optional stand



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Section PRODUCTS/LOG SPLITTERS











product No.

4348

*more details on www.vari.cz/en

Optional accessories: bolted stand - product No. 4349

VARI 7 TON SUPER FORCE





















4274

*more details on www.vari.cz/en

vertical hydraulic splitter

splitting force of 7 tons

- suitable for logs up to 1 m long and 32 cm diameter
- adjustable working table for different lengths of log
- 3000 W single-phase electric engine
- solid stable metal body
- splitting cross cleaves the logs instantly in quarters
- wide wedge can cleave even very hard wood
- clamps on the handlebars prevent pieces of the logs from flying off
- both-handed control eliminates possibility of injury
- two transport wheels and handle for easy manipulation

Standard accessories: splitting cross wide wedge

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Section DOWNLOAD/VIDEOS/LOG SPLITTERS



VARI 10 TON SUPER FORCE





- splitting force of 10 tons
- suitable for logs up to 135 cm long and 40 cm diameter
- adjustable working table for different lengths of logs
- you don't have to lift up the logs, just push the work table aside
- splitter is powered by 3800 W three-phase electric engine
- solid stable metal body weight 200 kg
- splitting cross cleaves the logs instantly in quarters
- wide wedge can cleave even very hard wood
- clamps on the handlebars prevent pieces of the logs from flying off
- both-handed control eliminates possibility of injury
- two transport wheels and handle for easy manipulation





DETAILS OF VARI 10 TON SUPER FORCE





WORK TABLE PUSHED ASIDE











product No.

*more details on www.vari.cz/en

Standard accessories: splitting cross

wide wedge