



COUPLING SYSTEM
FOR HYDRAULICS AND DRIVE SHAFTS
IT REALLY CAN BE SO EASY.



Gangl Docking Systems Revolutionize Your Work Processes.

With the quick coupling system from Gangl Docking Systems, you can switch your work machines and combine hydraulics and drive shafts in a fully automatic way and without the need to step out of the vehicle.

The patented solution enables flexible work steps out in the field, during maintenance and when cleaning.

www.ganglsystems.com



FLEXIBLE



SIMPLE



COMPATIBLE

GDS 3

The principle behind the innovation.

Every coupling system is different. Gangl Docking Systems has developed the solution which smoothes out these differences.

The GDS 3 is made up of two parts: the coupling module for the traction engine and the counter frame for the work machine.

The basic shape is based on the three-point system – a technology which also allows you to perform coupling work on uneven subsurfaces. The GDS 3 thus has a sturdy base in order to automate the technically laborious connections between the traction engine and the work machine.

The coupling module

The module is available in different versions and can be expanded in a modular fashion to suit your requirements. It is suitable for raised and drawn machines and can be assembled both on the front and on the rear of the traction engine.

The counter frame

The counter frame is situated on the working equipment and is adapted to this. It is thus independent of the devices and machines being used and can be attached to all machines.



Most work steps start with coupling the required devices to the traction engine. Gangl Docking Systems has revolutionized this central process of agricultural work – and thus the entire way in which you handle your working equipment, the tractor.



QUICK AND SIMPLE

Save time and effort.

Save time and effort with the fully automatic GDS quick coupling system.

Stay seated.

Until now, to couple working equipment, you required time and physical effort.

With the GDS-3-models, this process is fully-automated. In addition to the hydraulic coupling, the new quick coupling system also includes the hydraulic

safety latch and automatic insertion of the drive shaft.

The system thus simplifies what was, until now, time-consuming work to a simple push of a button. You can conveniently uncouple your driver's cab, couple it again and start the next work step in just a few seconds.

Coupling will never again be a laborious task!



FLEXIBLE WORK PROCESSES

The new way of working with the GDS-3-models.

Release yourself from a strictly planned working day and enjoy flexibility from now on.

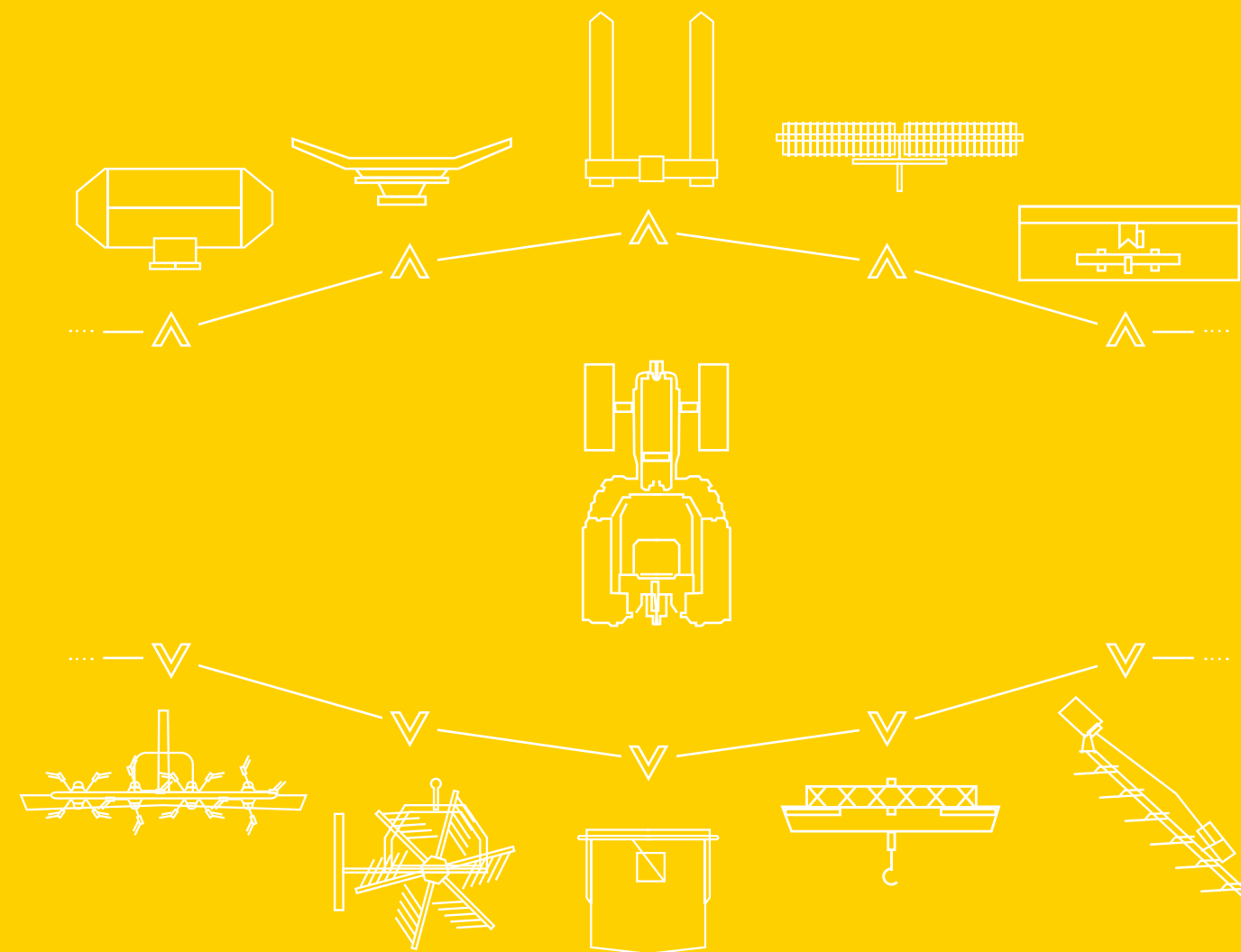
Quick and simple.

For working in the field, different working equipment is required each day. With the GDS-3-models, you are now capable of parking any trailer on any site and if necessary attaching it again.

The system makes no basic requirements of a parking area:

You can make decisions that are individual to you and position or store your work machines at any time and anywhere. This allows you to have a new, flexible way of handling your working equipment.

Rigid schedules are now a thing of the past thanks to a simple and effective process.



FULLY COMPATIBLE

For any traction engine, any work machine and any brand.

Make your fleet independent of brands and antiquated coupling technologies.

How everything fits together.

GDS-3-models feature enough power to also hold powerful machines. Thanks to their sturdy design, the system is suitable for any traction engine.

Thanks to the flexible attachment (front / rear) and compatibility with any type of machine (raised / drawn), you are completely independent of technical

limitations or brand affiliation.

Select your GDS-3-models depending on what your requirements are at present. The modular structure of the system enables you to upgrade your model at any time. It's a simple process and requires just a few movements.

Your traction engine and your devices thus remain entirely compatible.

GDS 3 valve
Valve block

GDS 3 hydro
Basic frame

GDS 3 lock

Automatic hook/hydraulic cylinder
for hydro plus

GDS 3 inside plus

Internal module extension
for master plus



HYDRAULICS

LOCK AND
AUTOMATIC CONNECTION
FOR THE HYDRAULICS.



HYDRAULICS

LOCK

AUTOMATIC LOCK AND
CONNECTION
FOR THE HYDRAULICS.



GDS 3 LINE
TRACTION ENGINE



HYDRAULICS

LOCK

DRIVE SHAFT SUPPORT

AUTOMATIC LOCK
AND CONNECTION FOR THE
HYDRAULICS.
THE INTEGRATED DRIVE SHAFT
IS INSERTED USING
THE LEVER.



HYDRAULICS

LOCK

DRIVE SHAFT

AUTOMATIC LOCK
AND CONNECTION FOR THE
HYDRAULICS.
THE INTEGRATED DRIVE SHAFT
IS INSERTED IN A
FULLY-AUTOMATIC PROCESS.



GDS 3 LINE
TRACTION ENGINE



G1 PRIMED FRAME
FOR VARIABLE MOUNTING
ON DEVICES.

G2 FRAMES INDIVIDUALLY
ADAPTED TO DEVICES;
HIGH-QUALITY,
ROBUST COATING.



GDS 3 LINE
WORK MACHINE

G1 WITH HOLDER

G2 PRIMED WITHOUT
HOLDER

BENEFIT CALCULATOR

Example of operation with an average of 4 conversion processes per day during a 6-day week (corresponding to 24 conversion processes / week)

Conversions / day	4,00
Coupling / machine in minutes	3,00
Uncoupling / machine in minutes	2,00
Fuel consumption in l / hr.	10,00
Hourly rate in €	20,00
Working days / week	6,00
in minutes / year	6.240,00
in hours / year	104,00
Annual saving in €	2.080,00
Current fuel price in € / l	1,40
Approx. fuel saving in € ca.	728,00
Saving / month in €	234,00



Saving / year € 2.808,00

For an individual calculation, the benefit calculator is available to you at www.ganglsystems.com/calculator



GANGL DOCKING SYSTEMS

THE COUPLING PROCESS

GDS 3



FAST AND SIMPLE
No matter where the working equipment is situated, you can start up, stay seated and start the coupling process.



FLEXIBLE WORK PROCESSES
Switch working equipment in just a few seconds – anywhere and at any time.



FULLY COMPATIBLE
With the GDS-3-models, you are no longer dependent on the brand or type of your working equipment or traction engines.



STARTING UP
(just before coupling)
Whether it's at the front or at the rear – with GDS3 coupling devices is child's play. Simply start up and the coupling process is initiated at the touch of a button. With the GDS3 master plus, the counter triangle is started up on the working equipment.



COUPLED
When coupling, the GDS 3 master plus inserts into the counter triangle. After the coupling process, both the triangle elements are securely anchored in one another, the hydraulics are coupled and in the case of a drive shaft connection, the drive shafts connect.

BENEFITS OF THE GDS-3- MODELS

The essential features at a glance.

01

COST SAVING
Thanks to the optimized work processes, you save valuable time and money with the GDS-3-models. Visit www.ganglsystems.com/calculator for more information.

02

ENVIRONMENT
Thanks to the split-second coupling procedure, the engine operation of the traction engine is shortened and thus the fuel consumption and the pollutant emissions are reduced.

03

SAFETY
For the entire coupling process, you no longer have to leave the driver's cab. You thus no longer enter into the danger area between the device and the traction engine.



04

TIME SAVING
Instead of carrying out minutes of nerve-racking work, you can now couple at the touch of a button and in just a few seconds.

05

STORAGE
Thanks to the rapid coupling process, you can reach any parking space in an extremely short time. You thus re-

quire less parking space, as the devices can be arranged one behind the other. Straight surfaces and lifting carts are thus no longer required to stow the devices.

06

MULTI-FUNCTIONAL USE
Thanks to the multi-functional use of devices, you save fuel and thus money.

07

DRIVE SHAFT
The drive shaft remains attached between the tractor and system – but if necessary, it can still be changed.

08

NO UNNECESSARY HYDRAULIC CONNECTIONS
The system consists of supply and return lines; to control all stations; a dual-action control device and an electronic supply is sufficient.

09

MODULAR USE
The GDS 3 hydro basic frame still offers the opportunity for mechanical coupling. With the hydraulic cylinder and the drive shaft connection, the equipment can be expanded at any time.

10

COUNTER FRAME
All counter frames can be expanded to include hydraulic and drive shaft connections at any time.

„You can solve everything. You just have to find out what really solves a problem, too.“

JOHANN GANGL

Ingenuity with drive.

Johann Gangl comes from a family of farmers and metalworkers. Already during his early childhood, he became familiar with tractors and throughout his life, he has been equipped with sound ingenuity and a spirit of development.

He is constantly developing products to make work easier and innovations. As a full-time farmer and inventor, he also questions the restricted possibilities of his working equipment, the tractor.

He was given the impetus in 2001 when he bought a new traction engine, as his desire for an automatic coupling system proved to be unrealizable. „Oh no, Mr. Gangl. That's something that you'll have to build yourself, for sure,“ came the response after weeks of research.

Inspired by his ingenuity, he started to develop the Gangl Docking System models. Together with his sons and a friend, over ten years he developed a system that benefited from his daily experiences in farming.

He promised himself „no half-finished solutions“ and improved his system until it was possible to couple all the connections between the traction engine and the working equipment in a fully automatic way.

The invention of the automatic drive shaft holder completes the long search and has since then revolutionized work processes in farming.

„Every day out on the field was a product test. But at the end of the day, I knew what I still had to improve.“

Johann Gangl



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