KRM

SIWI Combi Hitch

Improve productivity,
efficiency and safety!

KRM SIWI

An efficiency boosting device with many applications.

The Combi Hitch system lends itself to any application where the same machine is being used to load and operate an implement, or where speed of switching tractor/implements is important eg silaging.

Trailer Work

As trailers with hydraulic load securing devices become more common, further efficiency can be gained with a Combi Hitch.

Diet Feeder

Why tie up a tractor and a telehandler on feeding duty when a loader tractor can do it all.

Seed Drill

Having to keep a telescopic on standby to load the drill can be inconvenient, especially around harvest, when demand on the loader can be high.

Muck Spreading

When spreading muck, with the material tipped in the field using a loader tractor makes it a one man operation. Minimising unproductive hitching time maximises output and proft!

Combi Hitch

An efficiency boosting device with many applications.

As well as the more obvious self loading applications, the Combi Hitch can lend itself to a variety of other applications such as where timeliness of switching implements is key. Anyone with restricted mobility can also benefit from not having to leave the cab.

Quick turn around

When it's so quick and easy to hitch, perhaps it makes sense to just switch machines rather than waiting for the implement or trailer to be loaded.

Easy Machine Switching

When frequently switching from one operation to another, a Combi Hitch saves time and ensures connections are correct eg the right operator input has the desired effect on the machine.

Disabilities

The Combi Hitch is ideal to make life easier and reduce fatigue for some operators; for others it could be the tool that allows them to return to work or gives them back their independence in the workplace.

Lime Spreading

Spending more time spreading and less time loading, results in more daily output and less fatigue on the operator, win – win!

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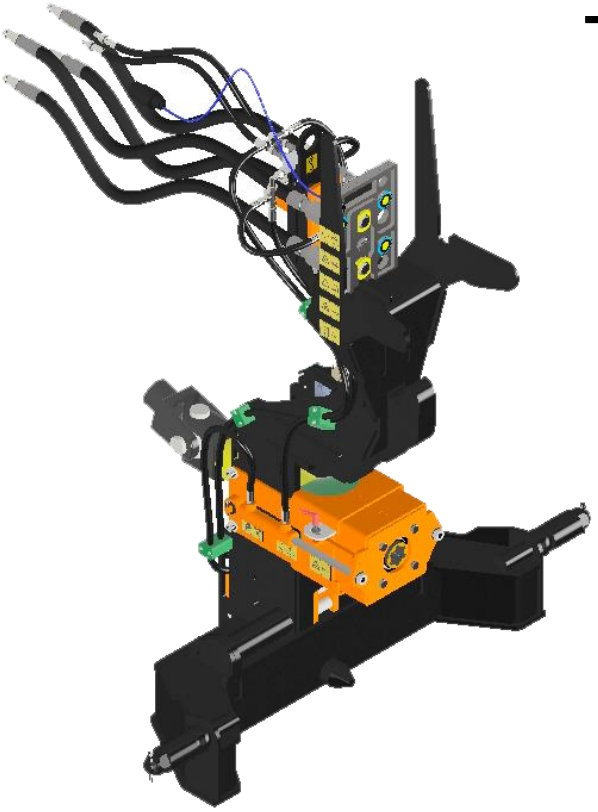
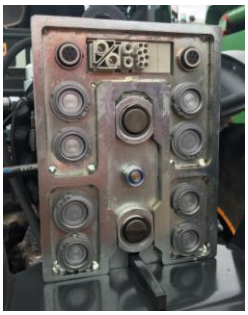
TM800



Tractor Module

The tractor module mounts on the 3 point linkage of the tractor and can be ordered with up to 8 air/oil connections (eg 4 double acting services) almost any electrical connection can be accommodated, even multiple connections such as ISObus and TJ500 where the Hitch will be used with several implements. An in cab control box ensures the Hitch can't be accidentally unlatched.



Air / Oil / Electronics

The top of the Hitch deals with air, oil and electrical connections. Through clever design, as the Hitch is engaged, the two banks of couplings are lined up and a small hydraulic ram then engages the couplings once the Hitch has been locked together.

PTO

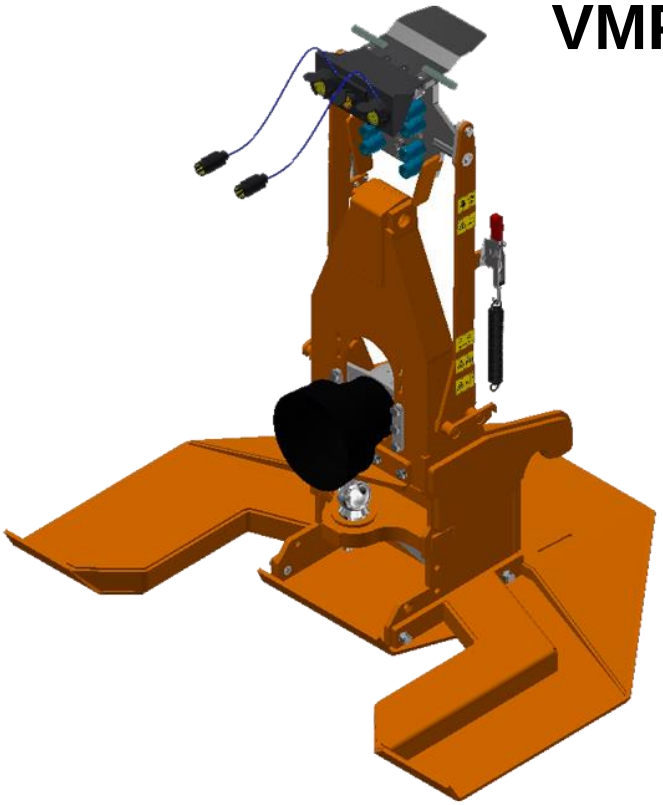
Two hydraulic cylinders push the PTO pack of the Hitch on to the splined coupling of the Trailer Module. The splines are machined to self align as the PTO pack engages.

Alignment and locking

A large tapered pin locates first as the Hitch is re-connected and aligns the hitch laterally. The large orange block visible in the photo is the main locking mechanism. A hydraulic cylinder pushed this block out locking the two sides of the Hitch together. The in-cab control box prevents accidental unlocking.

Combi Hitch

VMP800



Vehicle Module – With PTO

The Vehicle Module mounts attaches to the implement via a K80 ball and can be ordered with up to 8 air/oil connections and whatever electrical connection is required. The large base plate prevents the implement from sinking into the ground in damp conditions ensuring it can be easily re-hitched.

Air / Oil / Electronics

Mounted on a hinged, spring loaded support with a large pair of dowels, this arrangement ensures everything is lined up correctly and pushed together square. A plate above prevents material landing on the connections whilst loading and a dust seal keeps everything clean whilst spreading.

PTO

The PTO is height adjustable to suit the implement. A large bearing block carries a short stub shaft which the Hitch locates on to during re-connection. The splines are machined to be self aligning.

Alignment and locking

Reversing into the Hitch pushes it square. As the tractor link arms are lifted, a large tapered pin locates in a triangular slot with a central peak at the base of the Hitch, ensuring perfect lateral alignment before the Hitch is locked together.

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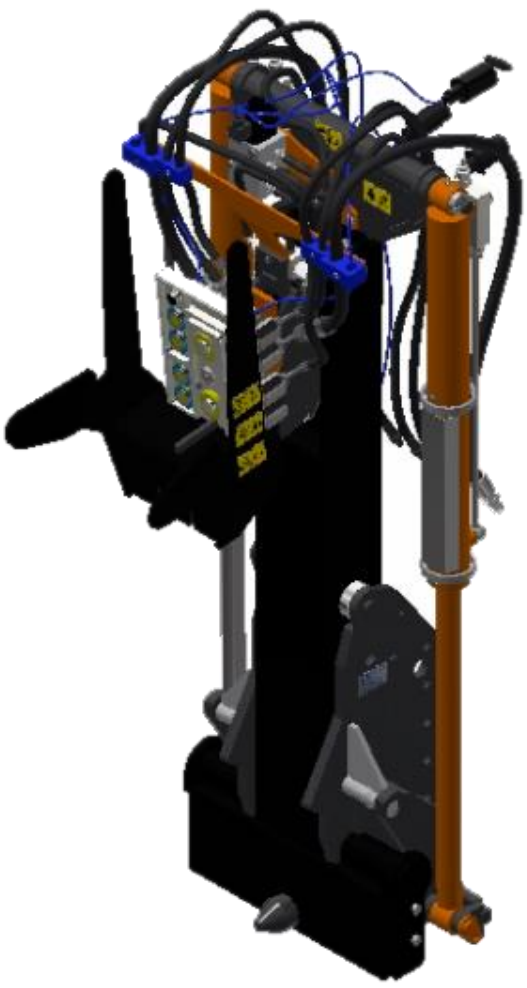
VM800

Vehicle Module – Without PTO

Where PTO isn't required a VM800 can be used. The VM800 utilises the same configuration of hydraulic and electric connections as the TM800 making all hitches fully compatible. Having invested in the TM800 for one particular application, many users find the relatively inexpensive VM800 a great option for various trailed implements around the farm, further increasing efficiency, reducing operator fatigue and improving safety.

Combi Hitch

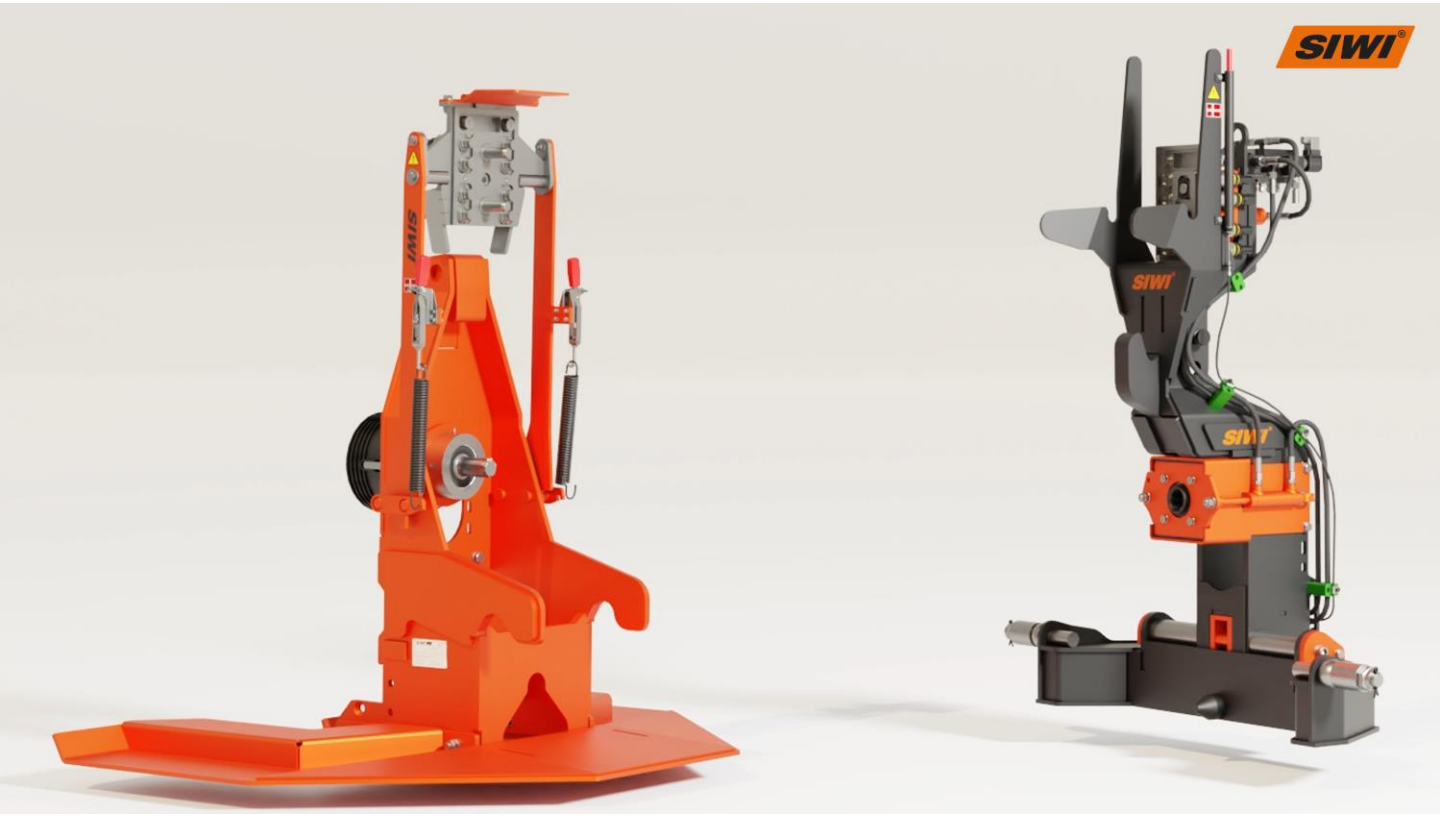
MM800



Machine Module

If the prime mover in question isn't a tractor we have the MM800. This module has the same layout as the rest of the range so all tractors, trailers and machines are compatible. The most common application is forage harvesters where coupling up properly means all functions of the trailer are maintained eg brakes, lights and hydraulic covers.

KRM SIWI : TECHNICAL SPECIFICATION



Standard Equipment includes :

- 3 Point Hitch Mounted
- In Cab Control Box
- 2 x 150 lt/min hydraulic couplings
- 6 x 90 lt/min hydraulic couplings
- Cat 3 linkage
- Lock indicator
- Connection for road lights
- Additional connector eg work lights

Optional Equipment includes :

- Air Brakes (uses 2 couplings)
- Load Sensing Hydraulics Kit
- TJ500 Connection Kit
- ISObus Connection Kit
- Other Electronic Connections available on request

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