Helpfiles > "Animal" menu > "Animal list" window > Animal card > Animal card - "AMS settings" > "Configuration" > "Attachment strategy"

"Attachment strategy"

Note! *Some of the settings in this block are used differently in AMR than in VMS, see the text after the tables.*

Note! *These settings in this block should not be used for animals where teat cup attachment is not a problem.*

Note! *Before deciding on an attachment strategy, read and understand the limitations in the second table below.*

Attachment troubleshooting

Attachment problem	Recommended attachment strategy
Rear teats are positioned very closely	Use *"Direct attach to teats"* on the rear teats. If the teat preparation cup should use the same strategy, check the box *"Direct attach teat cleaner"*.
Very thin teat(s)	Use *"Direct attach to teats"* one these teats. Also *"Direct attach teat cleaner"* if necessary.
Very short teat(s)	Use *"Direct attach to teats"* one these teats. Also *"Direct attach teat cleaner"* if necessary.
Part of the udder or a teat in the way when searching for a teat	Use *"Change tilt"* on these teats.
Camera hits the udder when searching for a rear teat	Use *"Change tilt"* on the rear teat(s).
Abnormal udder and teat shape	Use *"Direct attach to teats"* in combination with *"Abnormal teat shape"*. Also *"Direct attach teat cleaner"* if necessary.
Nervous animals or animals new to the system	Use *"Use wider search area"*. Disable the option when the animal has become used to the system.
Poor performance on angled teats when *"Direct attach to teats"* is used	Disable this option and, if used, *"Direct attach teat cleaner"*.
Cups are dropped onto the floor when *"Direct attach to teats"* is used	Disable this option and, if used, *"Direct attach teat cleaner"*.
Attachment on incorrect teats when *"Use wider search area"* is used	Disable this option.

"Attachment strategy"

Item	Description
"Direct attach to teats":	Check the box for a teat if the teat cup should be attached directly to that teat after it has been located. The camera will not locate the teat tip to confirm the correct teat height. Only use this option for vertical teats; that is, teats that point straight downwards. Direct attach introduces a risk of dropping cups from the teats due to misjudgement of the teat position. This risk is increased for angled teats.
"Change tilt":	Check the box if the camera should be slightly angled when trying to locate the teats.

"Direct attach teat cleaner":	Check the box if the teat cleaner should be attached directly to a teat after it has been located.
	For limitations, see *"Direct attach to teats"* above.
"Use wider search area":	Check the box if the camera should use a wider search area when trying to locate a teat.
	This option might introduce a risk of attaching cups to the wrong teats.
"Abnormal teat shape":	Check the box if the camera should be more tolerant when distinguishing teats from other objects.
	This option might solve the problem at hand, but also introduce a risk that the error rate increases: the system might decide that legs, teat cups, etc. are teats.

In AMR farms some of the settings in this block are used differently:

- *"Change tilt:"*: Not supported for AMR farms.

- The purpose of the *"Use wider search area"* and *"Abnormal teat shape"* functions is to get cows (especially heifers) used to being milked in the AMR system.