

Stort node

wision request (Check contain vision)

Vision move

Vision request again) > clear > send request

V

Nove

V

Ext cycle

Vision request (rule is always clear

when request)

is mait 10

U jee

Set reject index

is contain — clear

vequest

due — voit (can sidering time out)

queue command

requested

Set accept

raceived

clear accept

Soft > PLC

+ Communicating flag (set interval 500 ms)

+ Process in operate

+ New cycle started

f Finished one cycle

t Cycle stop

t Cycle force stop

(when force stop, robot error stop)

+ Robot in Error

Suft > PLC

+ Communicating flag (set interval 500 ms)

+ Ready operate signal

+ Process in operate

+ New cycle started

+ Finished one cycle

+ Cycle stop

+ Cycle force stop, robot error stop)

+ Robot in Error

+ Matched pattern inclex

+ Homing finish

PLC > Soft

+ Start operate

+ Stop operate

+ Stop operate

+ Stop operate

+ Stop operate

+ Camera index number (D)

+ Camera index number (D)

+ Diozect home Signal

+ Matching Signal (on and rising edge when morthing failed and waiting)

roady for operation ON

vait start operation 

v

is operation signal ON

Cycle stop signal ON

Sorce stop signal ON

Start if gripper close > open request vision = -> checking for contain move to picking position close gripper move out of vision workspace checking workspiece handled > 720 yest and wait > end cycle move to place position place more out of placing zone end eycle