RobotStudio Palletizing PowerPac
For fast and easy programming of ABB Palletizing Solutions
RobotStudio Palletizing PowerPac
Overview of main features

- Fast and easy programming of ABB Palletizing solutions
- No need to write any code
- All ABB palletizing robots and grippers supported
- Easy verification of cell layout, cycle times and tuning
- No disturbance to existing production
- Create movies to share ideas & information
RobotStudio Palletizing PowerPac
A software for all palletizing applications

NEW

Centralized
NEW

End of Line
IRB 760
IRB 7600
IRB 660
IRB 6640
IRB 460
IRB 660
IRB 4600
IRB 760

NEW

Full Layer

Bagging

NEW
RobotStudio Palletizing PowerPac
Total palletizing system’s cost

Cost

Time

Engineering & Programming

Hardware cost
RobotStudio Palletizing PowerPac
Total palletizing system’s cost

Cost

Engineering & Programming

Hardware cost

Time
RobotStudio Palletizing PowerPac
Based on 13 years of experience

1st Generation
1998
FlexPalletizer System

2nd Generation
2005
PickMaster 5

3rd Generation
2011
Palletizing PowerPac
RobotStudio Palletizing PowerPac Workflow

Offline Configuration

Operation

Transfer
RobotStudio Palletizing PowerPac
Reduce programming time from weeks to days
RobotStudio Palletizing PowerPac
Little or no programming experience required

- Palletizing PowerPac is extremely easy to use
- No need to learn complicated code
- No need for dedicated robot programmers
- More flexible use of your staff
- Lower commissioning cost

```c++
#include "origin.h"

// start your functions here

void LoremAttraction(string strXName, double tolerance)
{
    Dataset xDataset(strXName, 0);
    Dataset yDataset(strXName, 1);
    if (xDataset.IsValid())
        return;

    // C++ convention of variable declaration anywhere in
    int iSize = xDataset.GetSize(); // Get number of element
    string strXName; // String variables to
    yDataset.GetName(strName); // Get the name of the
    for (int i = 0; i < iSize; i++)
    {
    }
}
RobotStudio Palletizing PowerPac
Global support

- ABB supports standard products globally throughout the complete product life cycle
- End users do not have to rely on small system integrators for long term programming support
RobotStudio Palletizing PowerPac
Simplified maintenance

The Palletizing PowerPac is continuously improved and new releases are accessible for all users to download via the web.
RobotStudio Palletizing PowerPac

Ease of use

- Intuitive and simple to understand
- Very low start up threshold for beginners
- Familiar “Microsoft 2010 Fluent UI” look and feel
- Pack’n Go files for easy sharing of information
RobotStudio Palletizing PowerPac
All ABB robots and grippers are fully supported

- The new ABB Palletizing robots & FlexGrippers are fully supported in the Palletizing PowerPac
- Includes all I/O handling
RobotStudio Palletizing PowerPac
Simulation movies

- From scratch to accurate simulation in 5 minutes
- Improved sharing of ideas with customers and colleagues
- Complete cells can be built in RobotStudio cutting commissioning time
RobotStudio Palletizing PowerPac

Summary

- RobotStudio Palletizing PowerPac is built on 13 years of software experience, it is not an entirely new software
- The PowerPac serves specific end-user and systems integrator needs and is a key enabler in growing the uptake of robotic palletizing

- Easy to understand, Easy to use
- ABB robots & grippers are fully supported
- Visual simulation of palletizing cells