

Nicks N Blue



Company Background Information

Nicks N Blue Co.,Ltd

Nicks N Blue Co.,Ltd. develops and supplies a variety of products, from CAD/CAM integrated solution development related to mold processing to MCT processing related solutions. Nicks N Blue Inc. is a company that helps customers grow by guiding various national support projects so that mold manufacturers can improve their competitiveness through research and development easily and without burden.



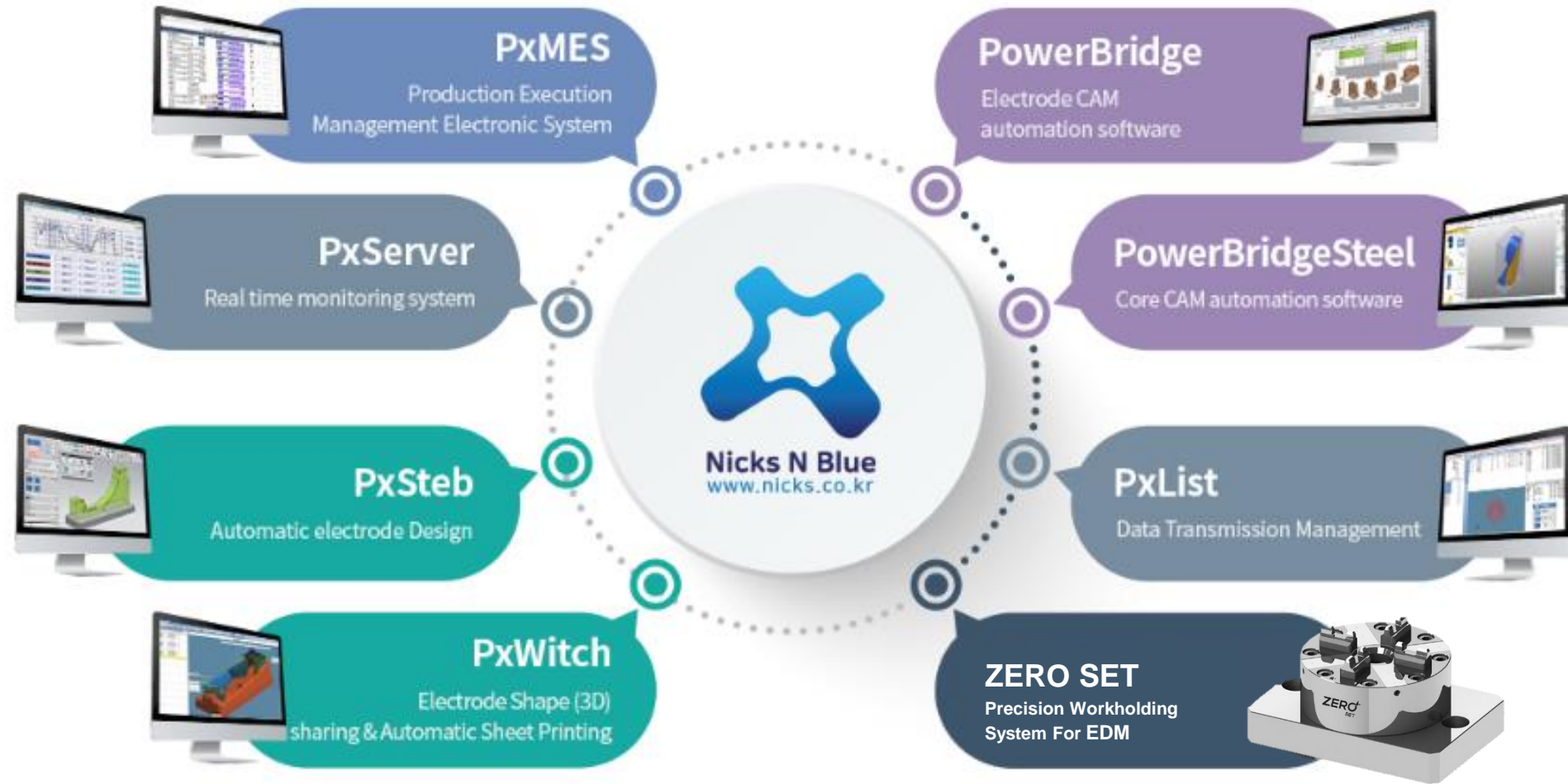
History

2021	06	- Registered as a smart factory AI supplier
	10	- Developed NCPangpang, a smart MCT integrated management system - Developed T-BLOCK MACHINE and carried out patent applications - Developed quick clamp system for discharge
	10	- Developed PxManager, an early model for smart machines - Carried out national support project smart workshop pilot project
2020	01	- Developed PxManager, an early model for smart machines
	10	- Carried out national support project smart workshop pilot project
2019	11	- Relocated headquarters to Gunpo
	12	- Registered as a smart factory supplier - Changed company name to Nicks N Blue Inc.
2017	05	Developed electrode-only smart machine system
2016	12	Developed smart core machine in partnership with Hwacheon Machinery Co., Ltd.
2015	04	- Acquired patent related to NC machining operation system
	05	- Certified as venture business
	10	- Developed core-only automatic CAM system (PxBridge)
2014	11	Established an affiliated research institute
2011	03	- Developed automatic CAM system (PxBridge)
	05	- Developed 3D Data automatic shape information system (PxWitch)
	08	- Developed NC Data transmission management system (PxList)
2010	03	Established Nix Corporation

Organization Chart



Nicks N Blue Solution Line-Up



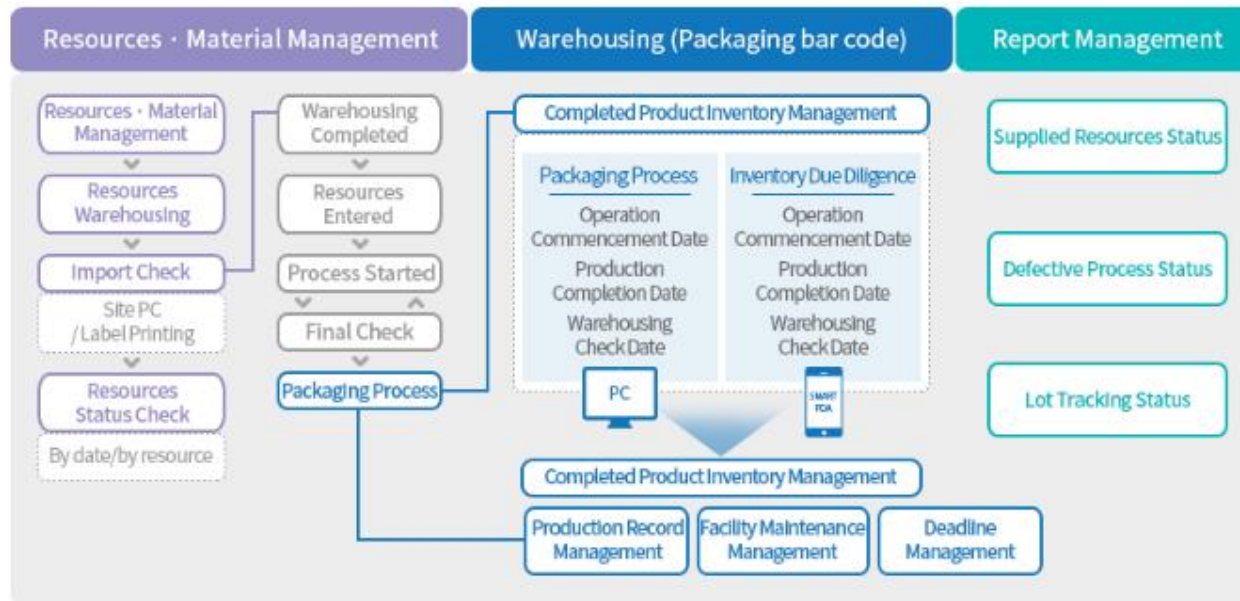
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PxMES Production Execution Management Electronic System



PxMes is an integrated system that enables users to monitor and manage all processes ranging from product orders to production in real time. It optimally manages your manufacturing processes through its real time feedback and precise decision making.
It collects · analyzes · controls the production record, worker activity, facility operation, and product quality's information.

Production Execution Process



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PxServer

Real-time Monitoring System

The PxServer provides a quick view of the operational status of the entire equipment. You can always check the facility's overall efficiency (OEE) by collecting the facility's operational information in real time.

NC Monitoring
System



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PxSteb Automatic Electrode Design



PxSteb is an automatic electrode designing program that supports a direct interface on 3D CAD program (UG). It contains functions such as electrode extraction and modeling editing & management and enables an easier and faster electrode design.

Features And Advantages

Modeling analysis and management



- Automatic flat face search
- Automatic under cut search
- Automatic minimal radius search
- Blueprint & data import and export
- Measurement of modeling size and angle
- Synchronization with power mill

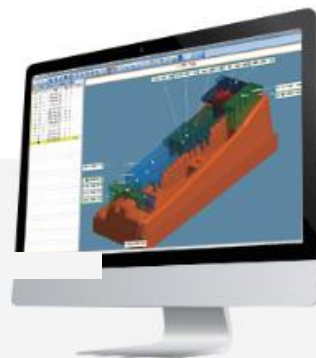
Electrode modeling and editing



- After creating it by clicking Create Box,
- Create electrode by clicking Trim/Subtract
- Automatic text imprinting (convenient when inputting shift value on setting grade)
- Automatic reinforcement of rib (reinforcement cylinder, grade angle setting available)
- Shift/symmetry/multiple duplication
- Automatic setting step formation
- Layer and category management

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PxWitch Electrode shape (3D) sharing and automatic sheet printing



PxWitch is a program that directly opens a modeling information of IGES and NX UG's modeling information through its unique interface technology made with an efficient utility for electrode processing. It automatically prints out documents such as electrode layout, setting plan, part lists, etc simply by clicking an icon.

Features And Advantages



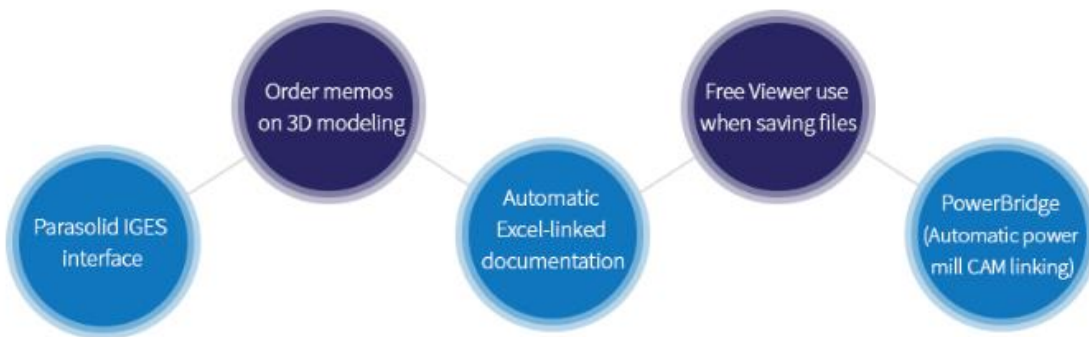
Can attach memos on 3D modeling displays to order, warn, or notify relevant departments.



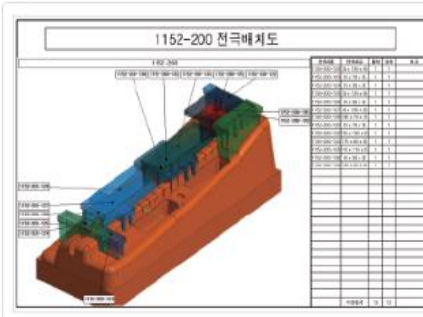
Its file sharing function stimulates a faster and accurate communication of processes (planning, NC, discharging, ideas)



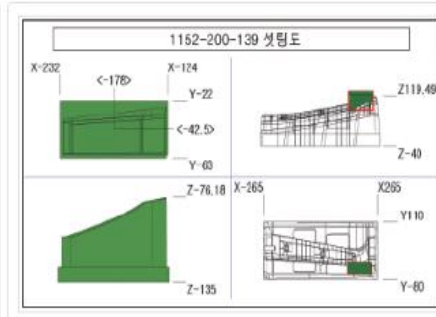
Its on-site Viewer allows the realization of zero-blueprint policy.



Program Document



Position Map



Setting Map



Part List

2013년02월14일 **1152-200** 재발주서

NO	전극이름	규격	수량	출	당	비고
1	1152-200-122	30	125	90	1	1
2	1152-200-123	35	70	55	1	1
3	1152-200-124	35	30	50	1	1
4	1152-200-125	35	125	85	1	1
5	1152-200-126	50	60	55	1	1
6	1152-200-127	40	100	85	1	1
7	1152-200-128	180	75	75	1	1
8	1152-200-130	55	70	55	1	1
9	1152-200-132	100	100	90	1	1
10	1152-200-133	175	65	80	1	1
11	1152-200-135	110	110	80	1	1
12	1152-200-136	40	50	80	1	1
13	1152-200-139	120	50	60	1	1

Material Purchase

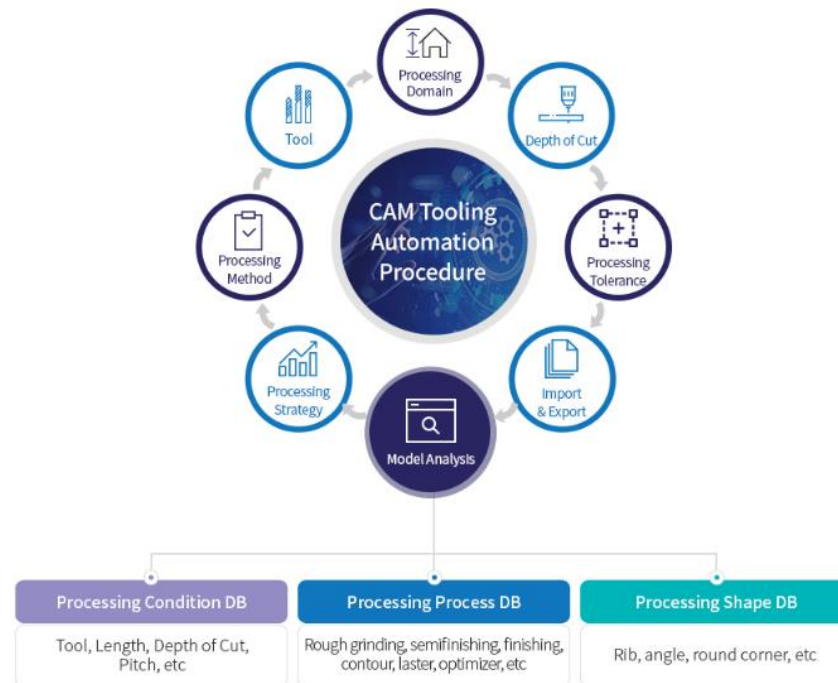
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PowerBridge Electrode CAM automation software



PowerBridge is an automated program for machine, processing process, detailed processing conditions for electrode CAM processing. It streamlines repetitive and complex CAM process to enhance machine operation rate and productivity by standardizing NC Data.

CAM Tooling Automation Procedure



System Function



Automatic electrode tooling

It automatically recognizes electrode shapes and calculate by selecting the right DB.



Automatic modeling direction recognition

It recognizes the discharge direction to automatically change processing coordinate system.



Multi calculation process

It batch processes process such as existing operations, operation order, NC data printing, symmetry calculation, data name change, validation, etc through multi automation.



Automatic sheet printing

It automatically prints out the operation order forms of clients and other documents such as discharge direction map and material purchase orders.

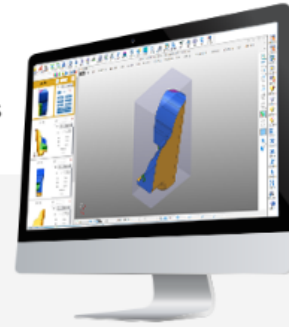


Collision Check

It has an automatic tool path separation coordinate system setting, modeling modification, and automatic block setting functions based on lid, link adjustment, symmetry, shift, rotary editing tool shapes.

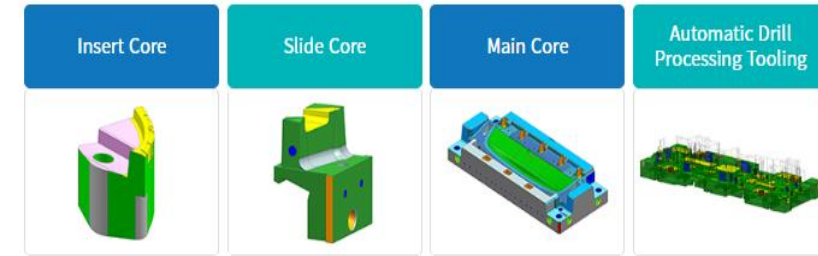
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PowerBridge Steel CAM Automation Software for Cores

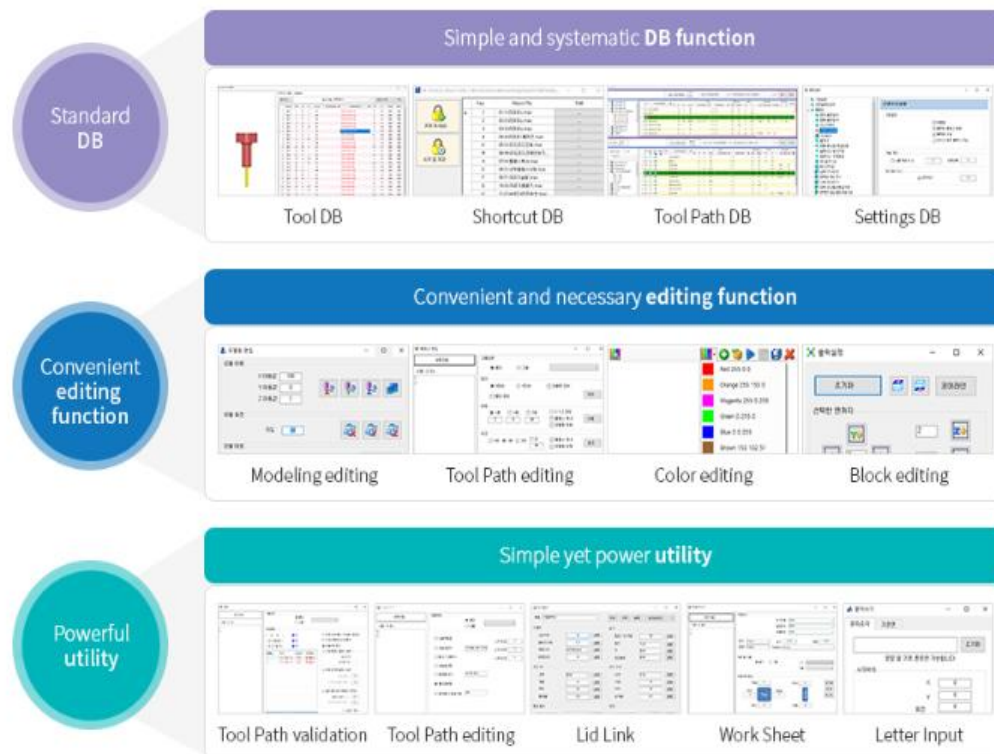


PowerBridge Steel is a newer version of the previous PowerBridge. It creates the optimal tool paths as it formulates a DB for processing shape DB, processing process, tool condition, and detailed processing conditions.

Applied Parts



Main Features

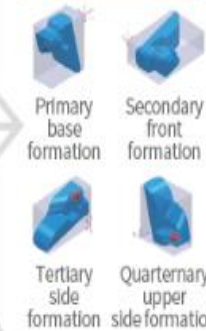


01. Opening Models



PowerBridge Steel saves variables such as process, tool, detailed processing conditions in a DB and automates CAM tooling process as users select needed DBs.

02. Direction Setting



03. Process DB selection



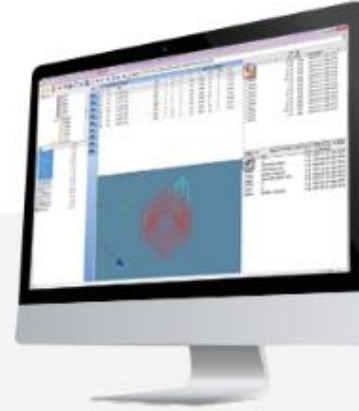
04. Calculation

Troublesome previous working process that involved repetitive input of operation details such as grinding & finishing options, tool selection, and detailed processing conditions.

It forms and uses a DB that has data of numerous experts about various parts with diverse shapes, size, and height.

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PxList Data Transmission Management



PxList automatically converts the forms or data and machine posts. It is a data transmission management program that automatically edits and manages data such as process, tool length, tool number, and tool radius.

System Procedure



Data transmission and backup, PxListSheet Application

PxList has special functions such as product coordinate shifts, graphic simulations, and internal memory access. It can be used to transmit and backup data for complexers like CNC lathe and turn mill. Apply PxListSheet on PxList allows an easier operation record management through a direct accumulation of every data transmission record.





Smart Factory Happy Factory