



## **NPK: PT. Nesia Pan-Pacific Knit**

## Factory Information

- NPK is specialized in Active wear production across Woven and Knit, and PPC's major factory for Under Armour.
- By running dedicated lines, NPK is well-aligned with customer's requirement on quality and compliance.



Established in November 2007

### Address

Dusun Ngadiro RT17, RW04, Desa Klero, Kecamatan Tengran, Kabupaten Semarang, Jawa Tengah, Indonesia

### Key Person

- General Director: Joshua Song
- Senior Manager: D.H Lee
- Production Manager: Daniel Kim / Jimmy Kim
- Factory Manager: JW Lee


## Production Capacity


Category	Line	Worker	Annual Capacity
Knit	65	4,285	11.3M Pcs


*\*Remark: As of May 2020, based on 2020 Line planning (Easy & Difficult style mixed by 50:50)*

## Location & Transportation time



 **Semarang Airport**  
1.5 hours to NPK

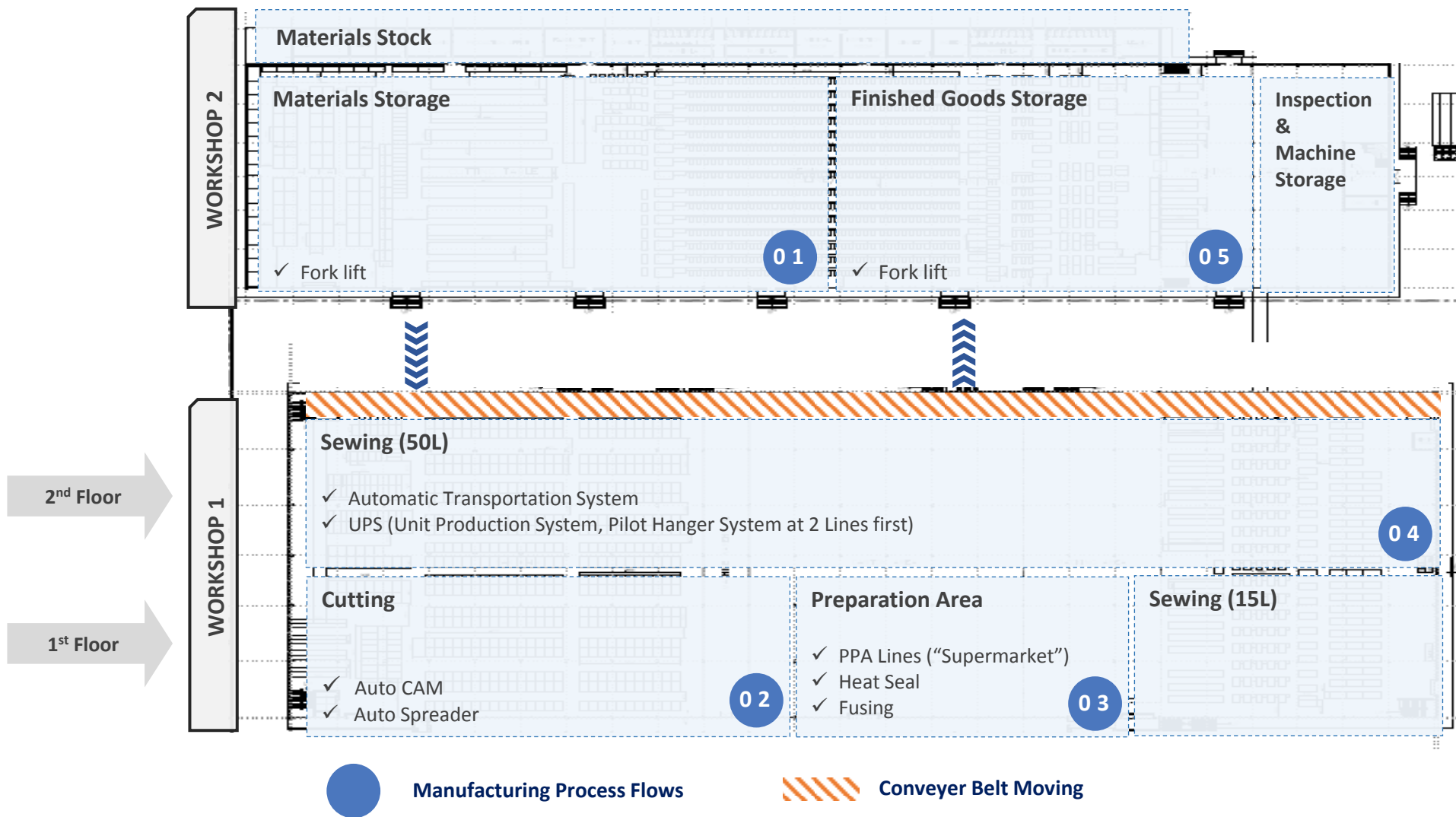
 **Semarang Port**  
3 hours to NPK

 **Semarang City**  
1.5 hours to NPK



## ■ NPK New Layout

- Pre-Production assembly lines were added in August 2020.
- Completely visible and seamless layout enables NPK to manage production flow efficiently.
- Expect to increase capacity and productivity with the new layout and machines.



## Production Overview

### Clients

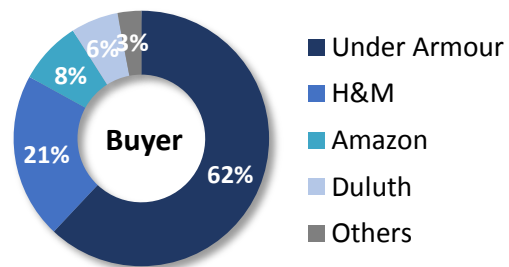


### Major Products

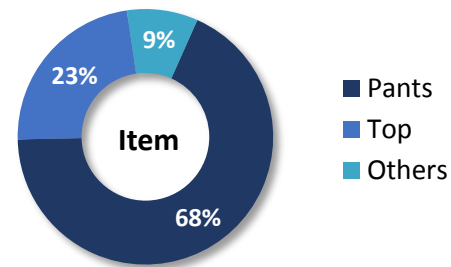
Jackets, Pants, Golf pants, Active wear (Jacket, Top, Bottom)



### Volume by Buyer



### Volume by Item



\*Remark: Based on production Amount (FOB \$) (2019FY)

## Responsible Manufacturing

### Compliance



### Transparency



### Community Engagement



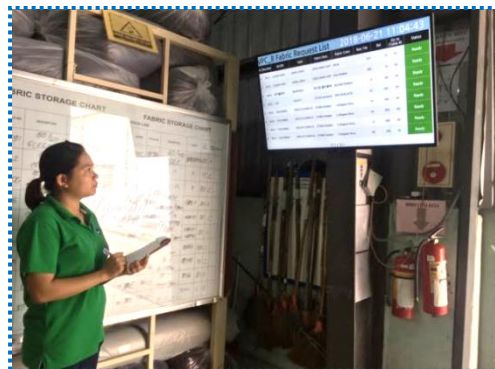
- **Happy Together:** PPC's own CSR program
- Participate in advancing education in Indonesia
- Support learning facilities to schools every year
- CSR: the annual agenda is still planned in October every year
- and during this pandemic, the facility helps local residents to provide dusk masks and spray desiccfectant to every resident's house to avoid the spread of the covid-19 virus.

## Manufacturing Excellence



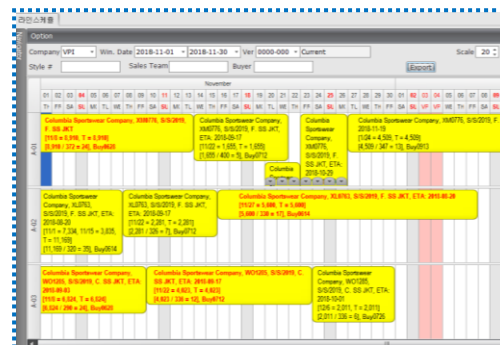
### Qualified Manufacturing Engine (QME)

- “Qualified Manufacturing Engine(QME)”, source of real time WIP and finished goods data
- Data entry at production lines using tablet PC
- Utilize barcode data at cutting stage for reading style log management and work sheet information



### Production Line Planning (OASYS)

- OASYS: Web based line planning tool
- Higher visibility on capacity planning and management
- Continuous system improvement for perfection reflecting sales teams and production facilities feedback



Order	Company	VP1	Min. Date	2018-11-01	2018-11-30	Ver	0000-000	Current	Scale	20
2018-05-12	Columbia Sportswear Company		8.5	2	372	744	3,512.1	0	0.0	0.0
2018-05-17	Columbia Sportswear Company		8.5	3	372	1,116	5,356.8	0	0.0	0.0
2018-05-28	Columbia Sportswear Company		8.5	4	372	2,480	7,242.4	0	0.0	0.0
2018-09-12	Columbia Sportswear Company		8.5	5	372	1,800	6,920.0	0	0.0	0.0
2018-09-26	Columbia Sportswear Company		8.5	6	372	2,232	10,713.6	0	0.0	0.0
2018-09-29	Columbia Sportswear Company		8.5	7	372	2,004	12,499.2	0	0.0	0.0
2018-09-29	Columbia Sportswear Company		8.5	8	372	3,876	14,384.8	0	0.0	0.0
2018-09-29	Columbia Sportswear Company		8.5	9	372	3,348	16,070.4	0	0.0	0.0
2018-09-27	Columbia Sportswear Company		8.5	10	372	3,750	17,805.0	0	0.0	0.0
2018-09-29	Columbia Sportswear Company		8.5	11	372	4,080	19,441.6	0	0.0	0.0
2018-09-29	Columbia Sportswear Company		8.5	12	372	4,080	21,427.2	0	0.0	0.0
2018-09-10	Columbia Sportswear Company		8.5	13	372	4,800	23,212.8	0	0.0	0.0
2018-11-01	Columbia Sportswear Company		8.5	14	372	5,328	24,968.4	0	0.0	0.0
2018-11-01	Columbia Sportswear Company		8.5	15	372	5,088	26,784.0	0	0.0	0.0
2018-11-01	Columbia Sportswear Company		8.5	16	372	5,962	28,589.6	0	0.0	0.0
2018-11-09	Columbia Sportswear Company		8.5	17	372	6,324	30,395.2	0	0.0	0.0
2018-11-06	Columbia Sportswear Company		8.5	18	372	6,686	32,200.8	0	0.0	0.0
2018-11-07	Columbia Sportswear Company		8.5	19	372	7,048	34,006.4	0	0.0	0.0
2018-11-09	Columbia Sportswear Company		8.5	20	372	7,410	35,812.0	0	0.0	0.0
2018-11-09	Columbia Sportswear Company		8.5	21	372	7,772	37,617.6	0	0.0	0.0
2018-11-09	Columbia Sportswear Company		8.5	22	372	8,134	39,423.2	0	0.0	0.0
2018-11-12	Columbia Sportswear Company		8.5	23	372	8,500	41,228.8	0	0.0	0.0
2018-11-13	Columbia Sportswear Company		8.5	24	374	8,910	42,786.0	0	0.0	0.0



### 5S Activity

- Increased investment and employee engagement in 5S activities, resulting in higher employee satisfaction and positive feedback from customers
- Plans to support other factories 5S set up and management and share best practices
- Inspection and improve about workplace areas



## ■ Manufacturing Excellence



### Industrial Engineering (IE)

#### ● Pre-Production Stage

##### 1. New Style Preparation Status Board

The very first stage before running in production to improve efficiency and productivity

##### 2. IE Sample Analysis

The 2<sup>nd</sup> stage to obtain the detailed information on garments

##### 3. Layout

Making the committed layout as the last pre-production stage

##### 4. Skill Matrix

Mapping operator skills based on machine mastery

#### ● Production Stage

##### 1. LoB (Line of Balance)

Keeping the record of Line of Balance form for monitoring & following up the lead time of each line

##### 2. LoB Status Board

Controlling & monitoring each line by checking LoB results



Automation



Automatic Cutting (CAM)



Auto Spreader



Programmable Auto Stitch

*\* For consistent and accurate sewing execution for attaching labels, emblem, pocket, and etc.*



Welding Press

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Automatic Cutting (CAM): 3

Auto Spreader: 10

Programmable Auto Stitch: 21

Welding Press: 8

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Automation



Double Head Elastic Joining Machine



Pocket Welting



Twin Needle Stitch With Auto Cut Sewn



Automatic Feeding Heat Material Mini Press

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Double Head Elastic Joining Machine: 1

Pocket Welting : 6

Twin Needle Stitch With Auto Cut Sewn : 20

Automatic Feeding Heat Material  
Mini Press : 1

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## ■ Factory View



Factory Panorama



Materials Storage



Finished Goods Storage

- Sewing input
- >
- Inspection
- >
- Finishing
- >
- Packing



Show Room