

# Hydraulic Plastic Injection Molding Machine

This hydraulic plastic injection molding machine is engineered for sophisticated control and rapid response. It is designed for low energy consumption and efficient plastic part production.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance Hydraulic Injection Molding

The NHTX series hydraulic plastic injection molding machine is engineered with advanced technology, prioritizing sophisticated control, rapid response, and low energy consumption. Designed for precision and high-volume production, it features a robust clamping unit and an advanced injection system suitable for complex part geometries. This machine offers versatile configuration options, including constant pump, open-loop variable pump, and servo hydraulic systems to meet specific manufacturing requirements.

Series

NHTX Series

## Configuration Options

Hydraulic System Options

Constant Pump, Open-loop Variable Pump, Closed-loop Variable Pump, Servo Hydraulic

## Injection Unit

**TURIN** HONG KONG INTELLIGENT TECHNOLOGY CO., LTD.

Model: 43904  
 Max. injection pressure: 210 MPa  
 Max. injection volume: 43904 cm<sup>3</sup>  
 Max. injection weight: 39953 g  
 Max. injection rate: 2200 g/s

Parameter	Unit	Value
Injection Pressure	MPa	122 - 210
Injection Volume	cm <sup>3</sup>	43904
Injection Weight	g	39953
Injection Rate	g/s	2200
Screw Diameter	mm	130 - 220
Screw Speed	rpm	50 - 70

Detailed technical specifications for the injection and clamping units.

### Injection Performance Metrics

**43904 cm<sup>3</sup>**

Max Shot Volume

**39953 g**

Max Injection Weight

**2200 g/s**

Max Injection Rate

### Injection Unit Specifications

Parameter	Range
Screw Diameter	130 - 220 mm
Injection Pressure	122 - 210 MPa
Screw Speed	50 - 70 rpm

## Clamping Unit

### Clamping Unit Dimensions

- Open Stroke: 1810 - 2000 mm
- Max Mold Height: 1700 - 1900 mm
- Min Mold Height: 750 - 1000 mm
- Ejector Stroke: 420 - 450 mm

### Clamping Force

30000 KN

## System Features

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1. Overview

2. Injection System

3. Clamping System

4. Safety System

5. Control System

6. Maintenance System

7. Energy System

8. Cooling System

9. Lubrication System

10. Filtration System

11. Monitoring System

12. Protection System

13. Alarm System

14. Data System

15. Security System

16. Backup System

17. Recovery System

18. Restoration System

19. Configuration System

20. Optimization System

21. Upgrade System

22. Expansion System

23. Integration System

24. Interoperability System

25. Compatibility System

26. Scalability System

27. Flexibility System

28. Adaptability System

29. Resilience System

30. Reliability System

31. Durability System

32. Longevity System

33. Sustainability System

34. Environmental System

35. Social System

36. Governance System

37. Leadership System

38. Innovation System

39. Creativity System

40. Problem Solving System

41. Decision Making System

42. Strategic System

43. Tactical System

44. Operational System

45. Performance System

46. Efficiency System

47. Effectiveness System

48. Productivity System

49. Quality System

50. Customer System

51. Market System

52. Competition System

53. Industry System

54. Global System

55. International System

56. Cross-Cultural System

57. Diverse System

58. Inclusive System

59. Equitable System

60. Just System

61. Fair System

62. Reasonable System

63. Proportional System

64. Appropriate System

65. Suitable System

66. Feasible System

67. Viable System

68. Practical System

69. Workable System

70. Usable System

71. Useful System

72. Meaningful System

73. Significant System

74. Important System

75. Valuable System

76. Beneficial System

77. Advantageous System

78. Profitable System

79. Gainful System

80. Rewarding System

81. Satisfying System

82. Fulfilling System

83. Enriching System

84. Empowering System

85. Liberating System

86. Freeing System

87. Releasing System

88. Freeing System

89. Unshackling System

90. Unhindered System

91. Unobstructed System

92. Unimpeded System

93. Unhindered System

94. Unobstructed System

95. Unimpeded System

96. Unhindered System

97. Unobstructed System

98. Unimpeded System

99. Unhindered System

100. Unobstructed System

Standard configuration includes a 5-point double toggle clamping system and comprehensive safety protections.

### Control & Safety Features

Color LCD Screen • Robot Interface • Data Protection Lock • Real-time Monitoring • Abnormal Alarm • Triple Chain Security • Low-pressure Mold Protection

## Technical Data

### Power & Capacity

- Heating Power: 114.5 - 204.5 KW
- Oil Tank Capacity: 3700 - 4500 L
- Machine Weight: 137 - 200 t